CONFLOW s.p.a.

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =

M/NX2/I/E	
02	2017

INSTALLATION AND START-UP MANUAL

REGOLATORE MULTIPROCESSORE DIGITAL CONTROLLERS TIPO / TYPE

NX2-00

CONFLOW s.p.a.
FLOW CONTROL SOLUTIONS

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1 - INFORMAZIONI GENERALI E DI SICUREZZA

Prima di installare il regolatore NX2-00 prendere visione delle seguenti informazioni.

ATTENZIONE *Utilizzare un circuito di protezione esterno in caso di guasto del circuito di regolazione potrebbe portare ad un problema serio.*
Questo strumento non dispone di un interruttore di potenza e di un fusibile, quindi predisporli sul quadro di comando (fusibile 250V, 0,5A).

ATTENZIONE *Utilizzare una tensione nominale stabile e corretta per evitare danni o problemi.*
Per evitare scosse elettriche o danni, non dare potenza/ tensione fino a quando il cablaggio è completato.

ATTENZIONE *Non usarle il regolatore in un luogo esposto a gas combustibile o in ambienti potenzialmente esplosivi.*

ATTENZIONE *Per evitare malfunzionamenti, scosse elettriche o incendi, questa unità non deve essere smontata o riparata.*
Non toccare i terminali per evitare scosse elettriche o malfunzionamenti.

ATTENZIONE *Spegnere l'alimentazione prima di montare o rimuovere lo strumento.*
Per garantire un funzionamento continuo e sicuro dello strumento, si raccomanda manutenzione periodica, alcune parti sono limitate nella vita.

1 – GENERAL AND SAFETY INFORMATION

Before installing digital controller NX2-00 take good notice of following information.

WARNING *Use an external protection circuit if a fault in the control loop could possibly lead to a serious problem.*
This instrument do not have a switch for power and a fuse, so please set them if it is needed (fuse rating 250V, 0,5A).
Turn OFF the power before

WARNING *Use a rated voltage to prevent damage or trouble.*
To avoid electrical shock or damage, do not turn ON the power until the wiring is completed.

WARNING *Do not use it at a place exposed to combustible or explosive gas.*

WARNING *To avoid malfunction, electrical shock or fire, this unit must not be disassembled or repaired.*
Do not touch the terminals to avoid electrical shock or malfunction.

WARNING *Turn OFF the power supply before mounting or removing the instrument.*
To ensure continuous and safe operation of the instrument, periodical maintenance is recommended, some parts are limited in life.

2 - ISTRUZIONI DI MONTAGGIO

2.1 - MONTAGGIO NOTE GENERALI

Fissare le staffe (2 unità all'interno dell'imballo) nelle apposite asole sopra e sotto il regolatore e stringere contro la parete del pannello con il cacciavite.

ATTENZIONE
Con INPUT termocoppia utilizzare un cavo compensato.
Per evitare disturbi induttivi dei fili di ingresso separare la rete elettrica di potenza dai fili di uscita.
All'accensione occorre un tempo per la preparazione del contatto di uscita, quando il segnale di uscita viene utilizzato per un circuito di sincronizzazione esterna, collegare un rele' di ritardo.

ATTENZIONE *Lo strumento ha protezione IP65 solo se installato con l'apposita guarnizione che si trova nell'imballo.*

2 - INSTALLATION INSTRUCTONS

2.1 - INSTALLATION GENERAL INFO

Attach the brackets (2 units inside packing)on the fixed halls and tighten with screwdriver.

WARNING
Use a compensating cable with thermocouple.
To avoid inductive noise to input wires separate from the power supply and output wires.
Keep input wires away from output and use shielded wires to earth.
Time for preparation of contact output is required at power ON, when the output signal is used for an external interlock circuit, connect a delay relay.

WARNING *The instrument has IP65, use rubber packing when installing the instrument to panel.*

3 – INGRESSI E USCITE - INFORMAZIONI

Scegliere il codice e il corrispondete tipo di ingresso e uscita.

INGRESSO RTD Tipi – Codici - Campi

TIPO	CODICE	CAMPO
• **KPt100**	20	-199.9~ 500.0°C
• **Pt100**	21	-199.9~ 640.0°C

INGRESSO TC Tipi e Campi

TIPO	CODICE	CAMPO
• **K**	2	-199.9 ~ 999.9°C
• **J**	3	-199.9 ~ 999.9°C
• **E**	4	-199.9 ~ 999.9°C
• **T**	5	-199.9 ~ 400.0°C
• **R**	6	0 ~ 1700°C
• **B**	7	0 ~ 1800°C
• **S**	8	0 ~ 1700°C
• **L**	9	-199.9 ~ 900.0°C
• **N**	10	-200 ~ 1300°C
• **U**	11	-199.9 ~ 400.0°C
• **W**	12	0 ~ 2300°C
• **PL2**	13	0 ~ 1390°C

INGRESSO DC Tipi – Codici - Campi

TIPO	CODICE	SEGNALE
• **DC Voltage**	30	1 ~ 5 V
	32	-10 ~ 20 mV
	33	0 ~ 100 mV
• **DC Current**	30 (1)	4 ~ 20 mA

(1) Montare la resistenza 250 Ω (compresa) sui terminali di ingresso

USCITE

CODICI	USCITA 1		USCITA 2	
	Uscita Relè	SSR/SCR	Uscita Relè	Ritrasm.
0	ON-OFF	-	AL2 Allarme 2	Ritrasmis. In uscita
1	-	SSR		
2	-	SCR (4-20 mA)		
3	Relay	-		

3 – INPUT & OUTPUT INFORMATION

Choose the code and the correspondent input and output type.

INPUT RTD Types – Codes - Ranges

TYPE	CODE	RANGE
• **KPt100**	20	-199.9~ 500.0°C
• **Pt100**	21	-199.9~ 640.0°C

INPUT TC Types and ranges

TYPE	CODE	RANGE
• **K**	2	-199.9 ~ 999.9°C
• **J**	3	-199.9 ~ 999.9°C
• **E**	4	-199.9 ~ 999.9°C
• **T**	5	-199.9 ~ 400.0°C
• **R**	6	0 ~ 1700°C
• **B**	7	0 ~ 1800°C
• **S**	8	0 ~ 1700°C
• **L**	9	-199.9 ~ 900.0°C
• **N**	10	-200 ~ 1300°C
• **U**	11	-199.9 ~ 400.0°C
• **W**	12	0 ~ 2300°C
• **PL2**	13	0 ~ 1390°C

INPUT RTD Types – Codes - Ranges

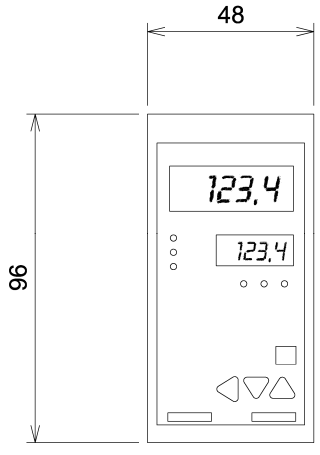
TYPE	CODE	SIGNAL
• **DC Voltage**	30	1 ~ 5 V
	32	-10 ~ 20 mV
	33	0 ~ 100 mV
• **DC Current**	30 (1)	4 ~ 20 mA

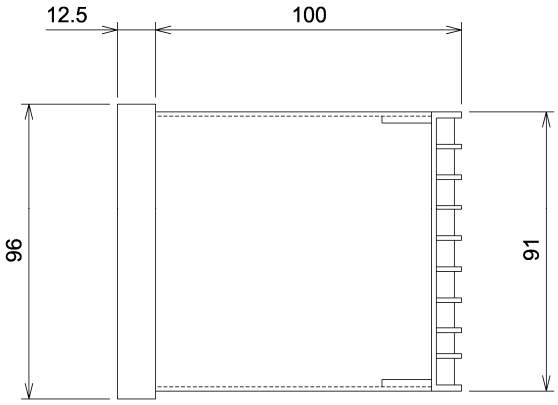
(1) Put resistance 250 Ω(included) at both input terminals

OUTPUT

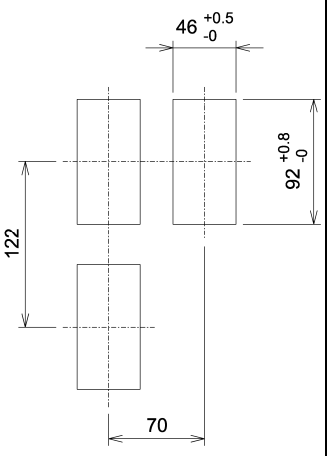
CODE	OUT 1		OUT 2	
	Relay Output	SSR/SCR	Relay Output	Retransm.
0	ON-OFF	-	AL2 Allarm 2	Retransm. output
1	-	SSR		
2	-	SCR (4-20 mA)		
3	Relay	-		

DIMENSIONI in mm





TAGLIO PANNELLO
Panel Cutout



DIMENSIONS mm

4 – COLLEGAMENTI ELETTRICI

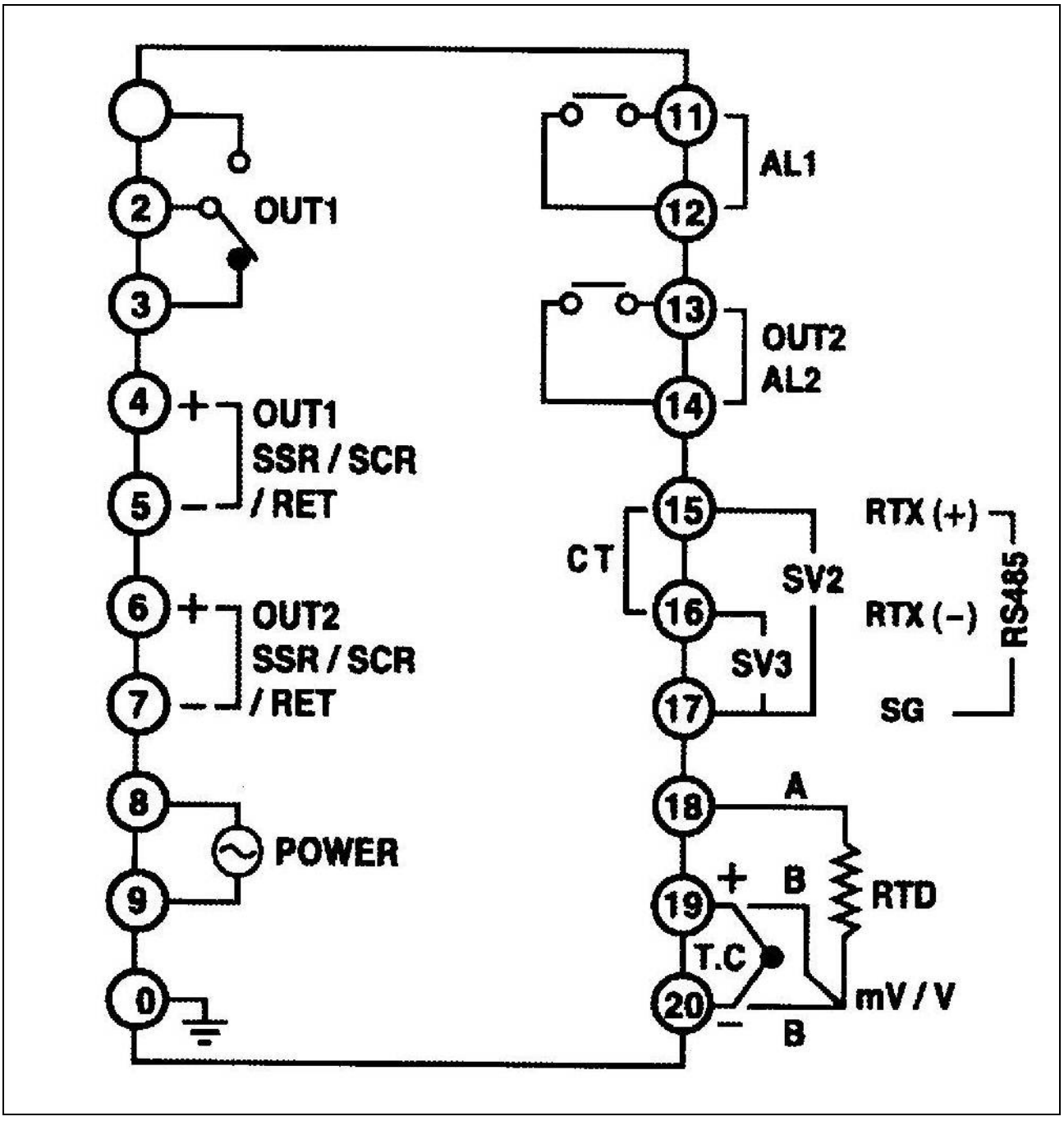
Eseguire i collegamenti elettrici secondo lo schema sotto riportato, sul fianco dello strumento è riportato lo stesso schema serigrafato.

ALIMENTAZIONE 100 – 240 V AC 50/60 Hz

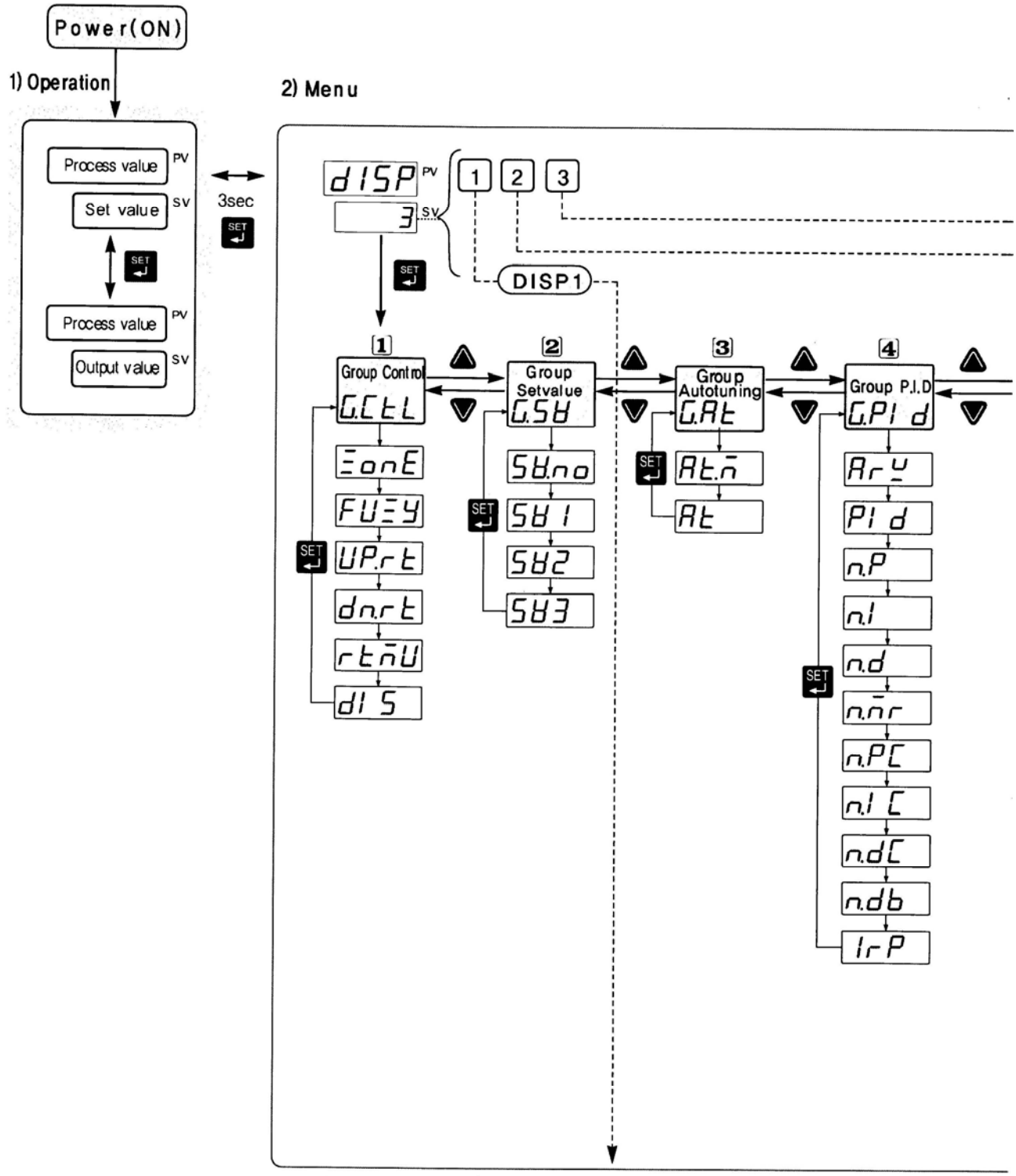
4 – WIRING DIAGRAM – TERMINAL ARRANGEMENT

Make the electrical connections according to the following diagram, on the side of the instrument it is given the same screen-printed pattern.

POWER SUPPLY 100 – 240 V AC 50/60 Hz

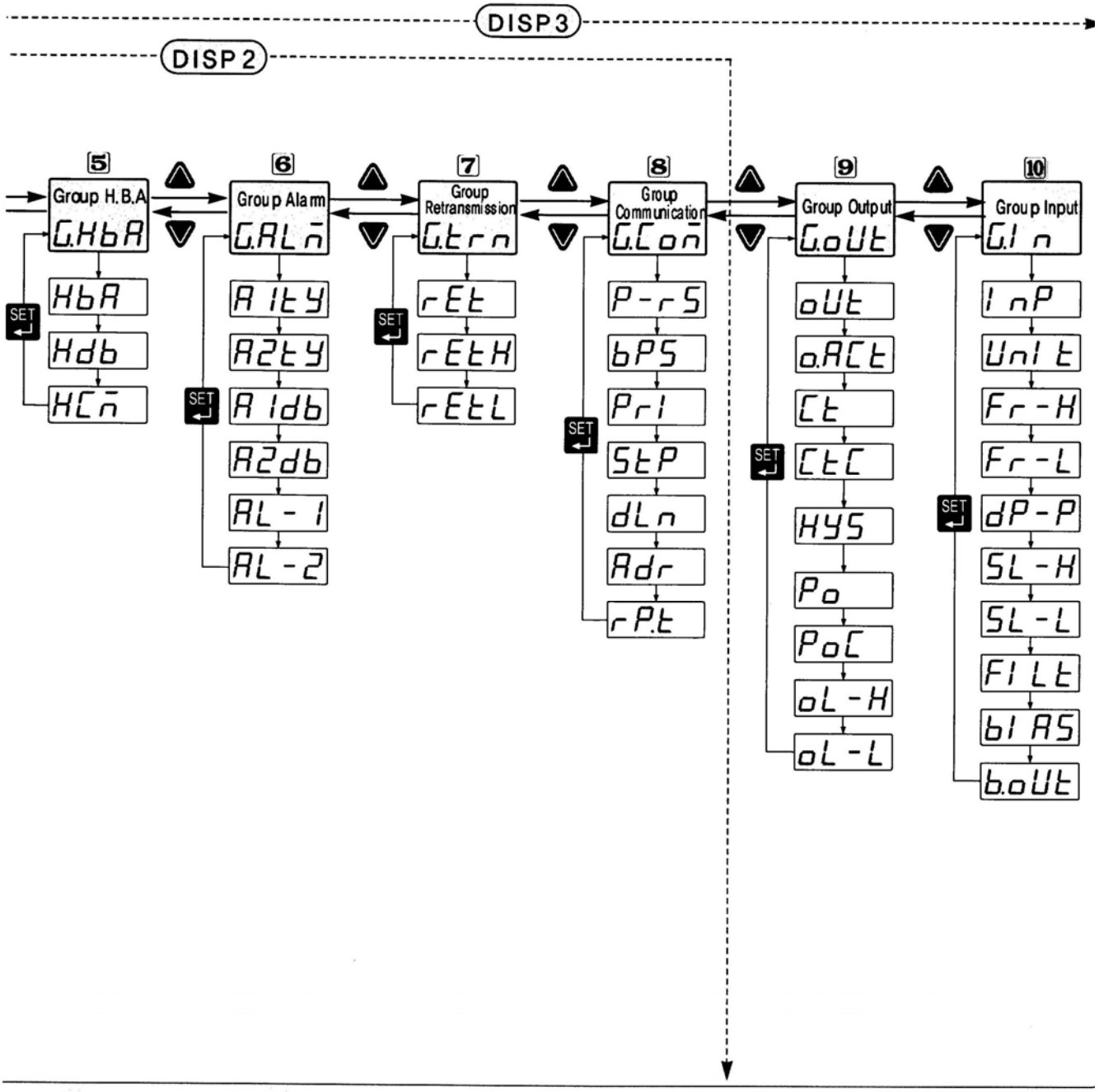


5 – TABELLA DEI PARAMETRI *5 – TABLE OF SETTING ITEMS*



5 – TABELLA DEI PARAMETRI segue

5 – TABLE OF SETTING ITEMS follows



6 – PANNELLO e FUNZIONI

6 – NAME and FUNCTIONS OF FRONT PANEL

SV2-SV3 = Si illuminano quando vengono visualizzati SV2-SV3

SV2-SV3 = Lights when the SV2-SV3 is displayed

OUT = Si illumina quando l'uscita è ON

OUT = Lights when the control output is ON

AT = Lampeggia quando l'Autotuning funziona

AT = Flickers when the auto tuning operates

Usare questo tasto per selezionare la cifra da inserire

Used to select digit for changing

Usato per diminuire il valore di set e per selezionare la modalità di impostazione

Used to decrease set-values and to select setting mode

PV = Valore di processo temperatura o pressione

PV = Process value temperature or pressure

SV = Valore da impostare

SV = Set value

AL1 / AL2= Si illumina quando AL1 o AL2 è operativo

AL1 / AL2 = Lights when the AL1 or AL2 operates

SET = Tasto di impostazione, per selezionare i parametri, e per registrare il valore impostato. Premere questo tasto per 3 secondi per visualizzare la modalità di impostazione, il valore impostato e il valore di processo

SET = Used to change from the operation made to the setting mode, to select parameters, and to register set value. Press this key for 3 seconds to display setting mode, set value and process value

Usato per aumentare il valore di set e per selezionare la modalità di impostazione

Used to increase set-values and to select setting mode

7 - TARATURA

Per entrare nella programmazione premere

SET *per 3 secondi, appare* dI SP *(display valore di fabbrica 3) modalità di selezione, quindi premere una seconda volta*
SET

Nota pratica :

Premendo il tasto SET *per 3 secondi il regolatore torna alla schermata di base.*
Se si attende 30 secondi il regolatore torna alla schermata di base.

Appaiono i gruppi:

Group Control G.CtL *con i tasti* ▽ *e* △ *si accede a tutti i sotto menù di programmazione*

Group Inpu G.In *INGRESSI*

Group Output G.oUt *USCITE*

Group Retransmission G.trn *RITRASMISSIONE*

Group Alarm G.ALn *ALLARMI*

Group P.I.D G.PId *PID*

Group Autotuning G.At *AUTOTUNING*

Group Setvalue G.SV *SET POINT REMOTO*

7 – SETTING METHOD

To enter inside control group push

SET *for 3 seconds, it appears* dI SP *(display factory setting3) selection mode, than push second time*
SET

Practice Note:

Pressing the button SET *for 3 seconds, the controller returns to the basic screen.*
If you wait 30 seconds the controller returns to the basic screen.

Appear groups:

Group Control G.CtL *with buttons* ▽ *e* △ *you can access all the sub programming menu*

Group Inpu G.In

Group Output G.oUt

Group Retransmission G.trn

Group Alarm G.ALn

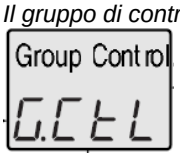
Group P.I.D G.PId

Group Autotuning G.At

Group Setvalue G.SV

8 – GRUPPO DI CONTROLLO

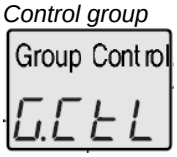
Il gruppo di controllo



Prevede il seguente sotto menù

8 – CONTROL GROUP

Control group

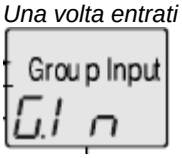


It provides the following submenu

Signal	Name	Operation	Display condition	Initial Value
G.CtL	Control group display	Set a control mode	—	—
ZonE	Zone selection 1	OFF / ON	Always display	OFF
FUZY	Fuzzy function selection	OFF / ON	P.I.D control	OFF
SET UP.rt	Initial increasing temperature	OFF / EUS (0 ~ 100 %)	Always display	OFF
dn.rt	Initial decreasing temperature	OFF / EUS (0 ~ 100 %)	Always display	OFF
rtnU	Time unit	HOUR / MIN	Always display	HOUR
dI S	External contact input selection	OFF / ON (Refer to chart 1)	Always display	OFF

9 – SELEZIONE INGRESSI

Una volta entrati nel sotto menù



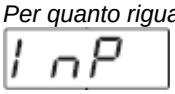
Selezionare tutti sottopunti,

per entrare premere SET

per selezionare premere ∨ o ∧

per confermare premere SET

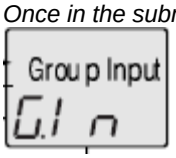
Per quanto riguarda il sottopunto



inserire il codice indicato a pagina n°2

9 – INPUT TYPE SELECTION

Once in the submenu



Select all sub-points,

To enter push SET

To select push ∨ o ∧

To confirm push SET

As for the sub

enter the code shown on page n ° 2

Signal	Name	Description	Condition	Initial value
G.I n	Input group	Input type and mode selection	—	—
I nP	Input signal selection	Refer to input signal and range (P.2)	Always display	Selection NO.1
Unl t	Measurement range unit	℃, ℉	Thermocouple or R.T.D	℃
Fr-H	High limit	Refer to input signal and range (Notice : FR-H) FR-L)	Always display	1370
Fr-L	Low limit		Always display	-200
SET dP-P	Decimal point(on voltage input)	Thermocouple or R.T.D : decimal point of instrument / DC Voltage : 0 ~ 3	On voltage input (㎷, V)	1
SL-H	Maximum on scale (on voltage input)	-1999~9999 Notice : SL-H > SL-L Decimal point : according to DP-P	On voltage input (㎷, V)	100.0
SL-L	Minimum on scale (on voltage input)			0.0
FILt	PV filter	OFF/1 ~ 120sec	Always display	OFF
bIAS	PV bias	EUS (-100.0 ~ 100.0 %)	Always display	EUS(0.0 %)
b.oUt	Burn-out	OFF / UP / DOWN	Always display	UP

10 – SELEZIONE USCITE

Una volta entrati nel sotto menù

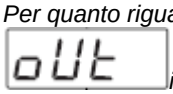
Selezionare tutti sottopunti,

per entrare premere SET

per selezionare premere ∨ o ∧

per confermare premere SET

Per quanto riguarda il sottopunto



inserire il codice indicato a pagina n°2

10 – OUTPUT GROUP SETTING

Once in the submenu

Select all sub-points,

To enter push SET

To select push ∨ o ∧

To confirm push SET

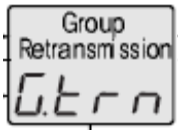
As for the sub

enter the code shown on page n ° 2

Signal	Name	Description	Condition	Initial value
G.oUt	Output group	Output type and mode selection	—	—
oUt	Output signal	Refer to type of control output	Always display	(0 / 3)
o.ACt	Output operation	REV : Reverse DIR : Direct action	Output code 1~3	REV
Ct	Cycle time	1 ~ 1000 sec	Relay / SSR	30 sec
SET CtC	Cycle time of cooling output	1 ~ 1000 sec	Output code 4~12	30 sec
HYS	Hysteresis of universal type	EUS(0.0 ~ 100.0 %)	ON/OFF Control	EUS(0.5 %)
	Hysteresis of Heating/Cooling type	0.0 ~ 10.0 %	Heating/Cooling	0.5 %
Po	Output volume when input disconnection Output 1 (Out1)	Universal : -5.0 ~ 105.0 % Heating / Cooling : 0.0 ~ 105.0 %	Always display	0.0 %
PoC	Output volume when input disconnection Output 2 (Out2)	0.0 ~ 105.0 %	Heating / Cooling	0.0 %
oL-H	Maximum value of output	Universal : OL-L + 1Digit ~ 105.0 % Heating / Cooling : 0.0 ~ 105.0 %	PID Control	100.0 %
oL-L	Minimum value of output	Universal : -0.5 %~ OL-H-1Digit	PID Control	0.0 %
		Heating / Cooling : 0.0~ 105.0 %		100.0 %

11 – RITRASMISSIONE

Una volta entrati nel sotto menù



Selezionare tutti sottopunti,

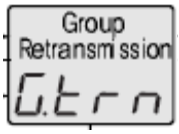
per entrare premere SET

per selezionare premere ▽ o △

per confermare premere SET

11 – RETRANSMISSION

.Once in the submenu



Select all sub-points,

To enter push SET

To select push ▽ o △

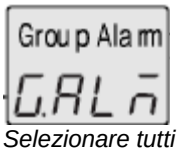
To confirm push SET

Signal	Name	Description	Condition	Initial value
G.trn → rEt → rEtH → rEtL (SET)	Retransmission group	Set retransmission mode	※Reference	—
	Retransmission type or Power for sensor	PV / SV / Output volume (MV) / Power for sensor (SPS)	Optional	PV
	High limit of retransmission	Thermocouple / R.T.D : FR -H ~ FR- L DC voltage : SL -H ~ SL-L but, RET. H 〉 RET.L	PV / SV	
	Low limit of retransmission			

12 – SETUP GRUPPO ALLARMI

Ci sono 2 uscite di allarme disponibili per Regolatore.
Nel gruppo allarmi le impostazioni sono fatti per la modalità, banda morta e il valore di ogni allarme.
Fare riferimento alla pagina seguente per i 22 diversi tipi di funzioni di allarme

. Una volta entrati nel sotto menù



Selezionare tutti sottopunti,

per entrare premere SET

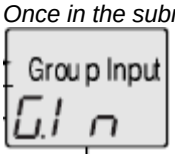
per selezionare premere ∨ o ∧

per confermare premere SET

12 – ALARM SETUP GROUP

There are 2 alarm outputs available per controller.
In alarm group, setting are made for mode, dead band and value of each alarm.
Refer to next page for the 22 different types of alarm functions.

Once in the submenu



Select all sub-points,

To enter push SET

To select push ∨ o ∧

To confirm push SET

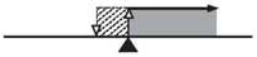
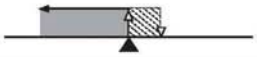
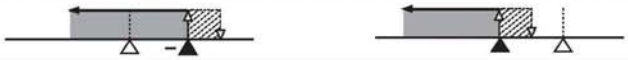
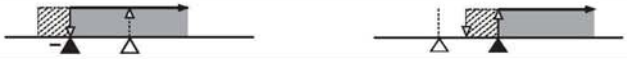
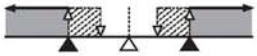
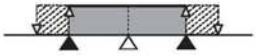
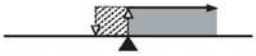
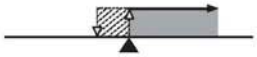
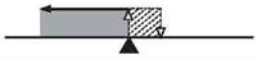
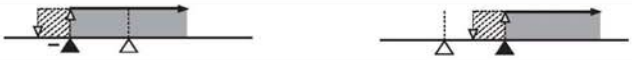
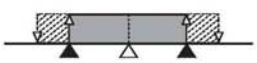
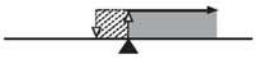
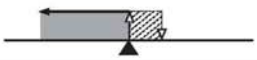
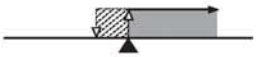
Signal	Name	Description	Condition	Initial value
GALn	Alarm group	Set alarm mode	—	—
A1tY	Type of Alarm 1	OFF / 1 ~ 22 Refer to "**Alarm type and code**"	Always display	1
*A2tY	Type of Alarm 2			2
SET A1db	Dead band of Alarm 1	EUS (0.0 ~ 100.0 %)	Always display	EUS(0.5 %)
*A2db	Dead band of Alarm 2			
AL-1	Set value of Alarm 1	PV alarm, Deviation alarm EU (−100.0 ~ 100.0 %)	Always display	EU(100.0 %) EU(0.0 %)
*AL-2	Set value of Alarm 2			

※ Reference : Display lamp will be OFF when output ON in inverted type.

12 – SETUP GRUPPO ALLARMI segue *12 – ALARM SETUP GROUP to be continued*

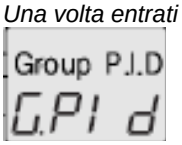
(Notice) : Display lamp will be ON when output OFF in inverted type.

Hysteresis  (△ : Set point , -▲: Minus Alarm set point , ▲ : Alarm set point)

Code NO.	Alarm type	Function
1	High absolute value	
2	Low absolute value	
3	High deviation value	
4	Low deviation value	
5	High deviation value (inverted)	
6	Low deviation value (inverted)	
7	High · Low deviation value	
8	High · Low band	
9	High absolute (inverted)	
10	Low absolute (inverted)	
11	High absolute with hold function	
12	Low absolute with hold function	
13	High deviation with hold function	
14	Low deviation with hold function	
15	High deviation with hold function (inverted)	
16	Low deviation with hold function (inverted)	
17	High · Low deviation with hold function	
18	High · Low band with hold function	
19	High absolute value with hold function (inverted)	
20	Low absolute value with hold function (inverted)	
21	Heater break alarm 1 (HBA 1)	

13 – SELEZIONE P.I.D.

Una volta entrati nel sotto menù



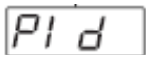
Selezionare tutti sottopunti,

per entrare premere SET

per selezionare premere ▽ o △

per confermare premere SET

Nell'ambito del parametro

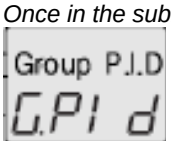


è possibile selezionare i seguenti codici (banda) :

- *1) solo P (proporzionale)*
- *2) P+I (proporzionale+integrale)*
- *3) P+I+D (proporzionale+integrale+derivata)*

13 – P.I.D. SELECTION

Once in the submenu



Select all sub-points,

To enter push SET

To select push ▽ o △

To confirm push SET

Within the parameter

is possible to selct the following codes (band)

- *1) solo P (proportional)*
- *2) P+I (proportional+integral)*
- *3) P+I+D (proportional+integral+derivative)*

Signal	Name	Description	Condition	Initial value
G.PI d	P.I.D group	Set P.I.D mode	—	—
Ar u	Anti Reset Wind-Up	Auto / 50.0 ~ 200.0 %	P.I.D control	Auto
PI d	P.I.D group selection	0 / 1~3	Always display	0
n.P	n. Proportional band(P)	0.1 (H/C TYPE:0.0) ~ 999.9 %	P.I.D group	5.0 %
n.I	n. Integral time (I)	OFF / 1 ~ 6000 sec.	Always display	240 sec.
n.d	n. Derivative time (D)	OFF / 1 ~ 6000sec.	Always display	60 sec.
n.nr	n. Manual reset	-5.0 ~ 105.0 %	Integral time: OFF	50.0 %
n.PC	n. Proportional band of cooling side (P)	0.0(ON/OFF제어) / 0.1 ~ 999.9	Heating • Cooling type	5.0 %
n.I C	n. Integral time of cooling side (I)	OFF / 1 ~ 6000 sec.	Heating • Cooling type	240 sec.
n.dC	n. Derivative time of cooling side (D)	OFF / 1 ~ 6000 sec.	Heating • Cooling type	60 sec.
n.db	n. Hysteresis	-100.0 ~ 50.0 %	Heating • Cooling type	3.0 %
Ir P	n. Zone point	EU (0) < 1.RP < 2.RP < EU (100.0 %)	ZONE = ON	EU(100.0 %)

SET

14 – AUTO TUNING

ATTENZIONE !

Si prega di non usare la funzione Auto tuning nei seguenti casi :
- Processi con risposta rapida – portata e pressione
- ProcessI che temporanea uscita on / off
- ProcessI che enorme carico
- Processo con rischio di effetto negativo sulla qualità del prodotto,

Il Regolatore Digitale ha due tipi di Auto-Tuning come STD e LOW.
STD (tipo standard)
LOW (utilizzare questa selezione quando si deve sopprimere "overshoot")

AUTO TUNING: attiva automaticamente i parametri, calcola e imposta il P.I.D. ottimale e le costanti ARW.
La funzione di Auto Tuning può essere attivata in qualsiasi momento durante il processo, mentre il processo è in "salita" o quando il processo è "stabilizzato".
Auto Tuning non viene utilizzato quando si seleziona "OFF" in modalità di selezione.

Una volta entrati nel sotto menù

Selezionare tutti sottopunti,

per entrare premere SET

per selezionare premere ▽ o △

per confermare premere SET

14 – AUTO TUNING

WARNING !

Please do not use Auto tuning in following cases :
- *Quick response control process – flow and pressure control*
- *Process which temporary on/off output is not allowed*
- *Process which huge load on operation unit is not allowed*
- *Process with risk of bad effect on product quality by changing of SV is over allowed range*

This Digital controller has two type of Auto-Tuning as STD and LOW.
STD (standard type)
LOW (use this selection where overshoot is to be suppressed)

AUTO TUNING : the function measures automatically the parameters, computes and set the optimum P.I.D. and ARW constants.
Auto Tuning function can be activated at any time during the process, while process is rizing or when process is stabilized.
Auto Tuning is not operated when selecting "OFF" in selection mode

Once in the submenu

Select all sub-points,

To enter push SET

To select push ▽ o △

To confirm push SET

Signal	Name	Description	Condition	Initial value
GAt → SET → AT.n → AT	Auto tuning group	Indicates Auto tuning	—	—
	Auto tuning type	Standard (STD) : Std / Low PV (LOW) : LoU	ABS	STD
	Auto tuning start	OFF / 1~3 / AUto(AUTO)	ABS	OFF

15 – IMPOSTAZIONE DEL SET REMOTO (SV)

Nel gruppo di impostazione valori set (SV), è possibile impostare 3 tipi di set remoto (1,2,3 SV) dal pannello frontale, è possibile anche selezionare ogni valore da segnale da contatto esterno .

Una volta entrati nel sotto menù

Selezionare tutti sottopunti,

per entrare premere SET

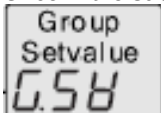
per selezionare premere ▽ o △

per confermare premere SET

15 – SET VALUE (SV) SETUP GROUP

In the set value (SV) setup group, you can setup 3 kinds in advance (1,2,3 SV) then select each value by external contact signal (or the button on the front panel).

Once in the submenu



Select all sub-points,

To enter push SET

To select push ▽ o △

To confimr push SET

Signal	Name	Description	Condition	Initial value
G.SV	Display setup of SV	group for set value	—	—
SV.no	Select number of set value.	1~3 (Selected SV is displayed and controlled)	Always display	1
SET SV 1	1st SV setup mode	* EU(0.0 ~ 100.0 %)		EU(0.0 %)
SV2	2nd SV setup mode	EU(0.0 ~ 100.0 %)		EU(0.0 %)
SV3	3rd SV setup mode	EU(0.0 ~ 100.0 %)		EU(0.0 %)

* EU : Engineering unit.

EC Declaration of Conformity

HANYOUNG NUX

Digital Temperature Controller
NX series
(NX2, NX3, NX4, NX7, NX9)

Certificate No. : HY-31HM003
Reference Report No. : DRSCEL1208-0021

The above product has successfully demonstrated that its product is in compliance with

Low voltage Directive 2006/95/EC
EN 61010-1 (Third Edition) :2010

We, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s). In case of alteration of the product, not agreed upon by us, this declaration will lose its validity.

Date of Issue : August, 31, 2012

Manufacturer Signature
President Y. S Han

HANYOUNG NUX CO,.LTD. 1381-3, Juan-dong, Nam-gu, Inchun-si, Korea

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Process Control Equipment, Electrical - Component

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Process Control Equipment, Electrical - Component

See General Information for Process Control Equipment, Electrical - Component

HANYOUNG NUX CO LTD E171428
1381-3 JUAN-DONG
NAM-GU
INCHEON, 402-200 REPUBLIC OF KOREA

Temperature controllers, Models NP200, NP100, PX2, PX3, PX7, PX9.

Model RT9.

Models DX2, DX3, DX4, DX7, DX9 Series.

Models NX2, NX3, NX4, NX7, NX9 Series.

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Last Updated on 2011-12-29

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