



## XT100 SERIES: NTC, PTC, Pt100, TcJ, TcK, TcS, 4÷20mA, 0÷1V, 0÷10V MULTI-PROBE CONTROLLERS – SERIAL OUTPUT

- Universal controllers to manage temperature, humidity and pressure in both the industrial and commercial applications
- Stock optimization: thanks to the multi-probe inputs
- 1 or 2 stage ON/OFF or PID with direct or reverse action
- Temperature inputs: PTC, NTC, Pt100; thermocouple J, K or S by selecting the parameters
- Pressure or humidity inputs: 4÷20mA, 0÷1V or 0÷10V by selecting the parameters
- Direct line power supply. No external transformer required
- Display with integrated measurement unit (°C / °F / RH / bar / PSI)
- Standard communication protocol ModBUS-RTU
- Hot key or Prog tool kit connector for a quick and easy programming
- 3VA max power absorption
- Display with red LED (10,5 mm high) and 5 icons

### HOW TO ORDER

XA100 X A 1 0 0 C - A B 0 D U

XT100 X T 1 - A B C D U

For blue display please contact Dixell

A	B	C	D
<b>Power supply</b>	<b>Measurement unit</b>	<b>Buzzer</b>	<b>SSR</b>
0 = 12Vac/dc 1 = 24Vac/dc 2 = 24Vac 4 = 110Vac 5 = 230Vac	C = °C F = °F B = Bar P = PSI H = %RH N = No unit of measurement	0 No 1 Yes 2 No 3 Yes	No No Yes Yes  SSR = 4÷20mA for D and R formats
			<b>Input</b>
			P = PTC (NTC) T = PTC (NTC, Pt100, TcJ, TcK, TcS) A = 4÷20mA, 0÷1V, 0÷10V B = PP07 (-0.5÷7bar) C = PP30 (0÷30bar) D = PP11 (-0.5÷11bar) H = XH10/20P

# XT100

## INDICATOR and 1 STAGE DIGITAL CONTROLLERS



C: 32x74mm

D: 4 DIN Rail

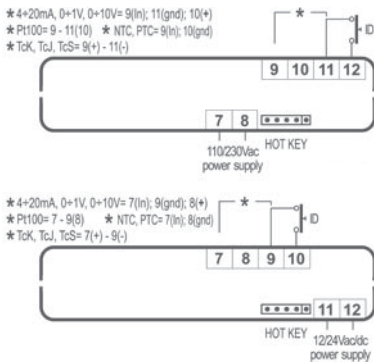
R: 72x72mm

<b>XA100C</b>	Configurable digital indicator
<b>XT110C XT110D</b>	ON/OFF configurable digital 1 stage controllers
<b>XT111C XT111D XT111R</b>	ON/OFF configurable digital 1 stage controllers with alarm relay

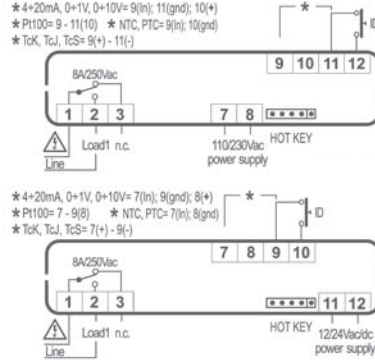
FEATURES	XA100C	XT110C	XT110D	XT111C	XT111D	XT111R
<b>Display: n° digits</b>	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.
<b>Power supply</b>	12, 24Vac/dc 110, 230Vac	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	24Vac/dc 24, 110, 230Vac
<b>Probe inputs</b>						
NTC, PTC, Pt100, TcJ, TcK, TcS, 4÷20mA, 0÷1V, 0÷10V	config	config	config	config	config	config
<b>Relay outputs</b>						
Stage 1		8A	no 8A / nc 5A	8A	no 8A / nc 5A	8A
Stage 2						
Stage 3						
Stage 4						
Alarm				8A	no 8A / nc 5A	8A
<b>Other</b>						
Digital input	pres	pres	pres	pres	pres	pres
Hot Key/Prog Tool Kit output	pres	pres*	pres	pres*	pres	pres
Serial output	TTL	TTL*	TTL	TTL*	TTL	TTL
Analog output			4÷20mA opt		4÷20mA opt	4÷20mA opt
Buzzer	opt	opt	opt	opt	opt	opt

\*: Prog Tool Kit output and serial output only for models with 12/24Vac/dc probe supply

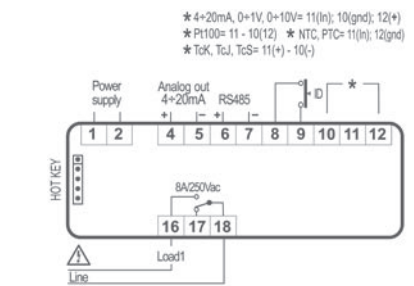
### XA100C



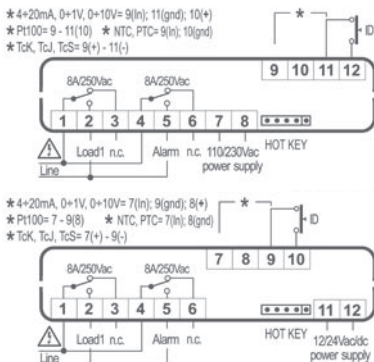
### XT110C



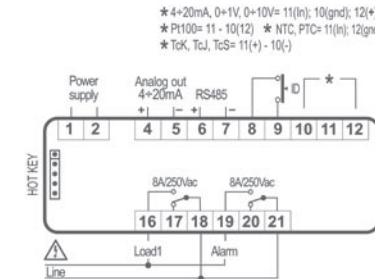
### XT110D



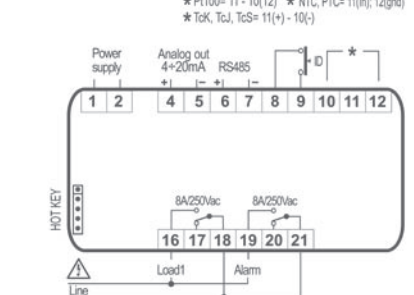
### XT111C



### XT111D



### XT111R



# XT100

## 2 STAGE DIGITAL CONTROLLERS



XT120C  
XT120D

ON/OFF configurable digital 2 stage controllers

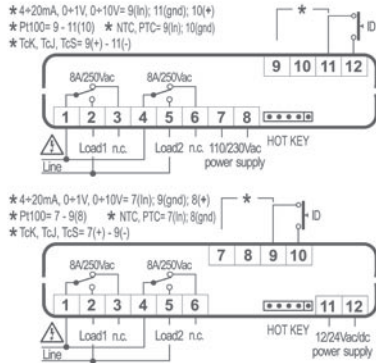
XT121C  
XT121D  
XT121R

ON/OFF configurable digital 2 stage controllers with alarm relay

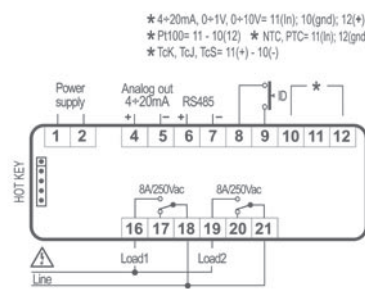
FEATURES	XT120C	XT120D	XT121C	XT121D	XT121R
<b>Display: n° digits</b>	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.
<b>Power supply</b>	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	24Vac/dc 24, 110, 230Vac
<b>Probe inputs</b>	config	config	config	config	config
NTC, PTC, Pt100, TcJ, TcK, TcS, 4÷20mA, 0÷1V, 0÷10V					
<b>Relay outputs</b>					
Stage 1	8A	no 8A / nc 5A	8A	no 8A / nc 5A	8A
Stage 2	8A	no 8A / nc 5A	8A	no 8A / nc 5A	8A
Stage 3					
Stage 4					
Alarm			8A	no 8A / nc 5A	8A
<b>Other</b>					
Digital input	pres	pres	pres	pres	pres
Hot Key/Prog Tool Kit output	pres*	pres	pres*	pres	pres
Serial output	TTL*	TTL	TTL*	TTL	TTL
Analog output		4÷20mA opt		4÷20mA opt	4÷20mA opt
Buzzer	opt	opt	opt	opt	opt

\*: Prog Tool Kit output and serial output only for models with 12/24Vac/dc probe supply

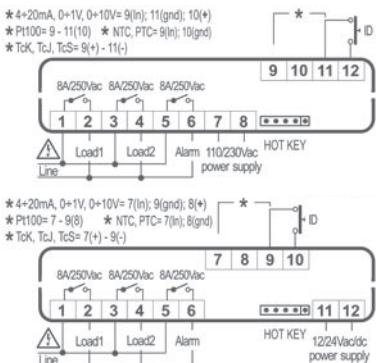
### XT120C



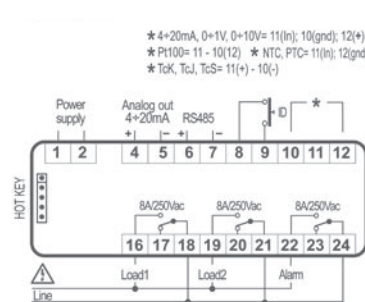
### XT120D



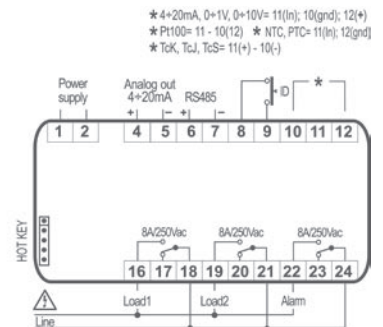
### XT121C



### XT121D



### XT121R



# XT100

## NEUTRAL ZONE DIGITAL CONTROLLERS



C: 32x74mm

D: 4 DIN Rail

R: 72x72mm

XT130C  
XT130D

ON/OFF configurable digital neutral zone controllers

XT131C  
XT131D  
XT131R

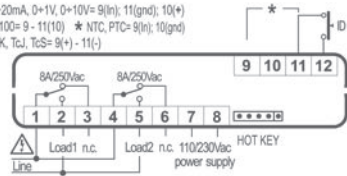
ON/OFF configurable digital neutral zone controllers with alarm relay

FEATURES	XT130C	XT130D	XT131C	XT131D	XT131R
<b>Display: n° digits</b>	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.
<b>Power supply</b>	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	24Vac/dc 24, 110, 230Vac
<b>Probe inputs</b>					
NTC, PTC, Pt100, TcJ, TcK, TcS, 4÷20mA, 0÷1V, 0÷10V	config	config	config	config	config
<b>Relay outputs</b>					
Stage 1	8A	no 8A / nc 5A	8A	no 8A / nc 5A	8A
Stage 2	8A	no 8A / nc 5A	8A	no 8A / nc 5A	8A
Stage 3					
Stage 4					
Alarm			8A	no 8A / nc 5A	8A
<b>Other</b>					
Digital input	pres	pres	pres	pres	pres
Hot Key/Prog Tool Kit output	pres*	pres	pres*	pres	pres
Serial output	TTL*	TTL	TTL*	TTL	TTL
Analog output		4÷20mA opt		4÷20mA opt	4÷20mA opt
Buzzer	opt	opt	opt	opt	opt

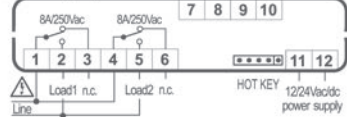
\*: Prog Tool Kit output and serial output only for models with 12/24Vac/dc probe supply

### XT130C

- \* 4÷20mA, 0÷1V, 0÷10V= 9(in); 11(gnd); 10(+)
- \* Pt100= 9 - 11(10) \* NTC, PTC= 9(in); 10(gnd)
- \* TcK, TcJ, TcS= 9(+)- 11(-)

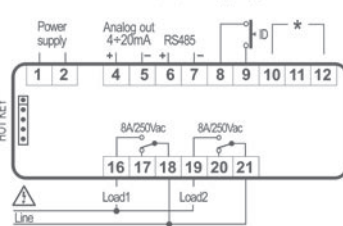


- \* 4÷20mA, 0÷1V, 0÷10V= 7(in); 9(gnd); 8(+)
- \* Pt100= 7 - 9(8) \* NTC, PTC= 7(in); 8(gnd)
- \* TcK, TcJ, TcS= 7(+)- 9(-)



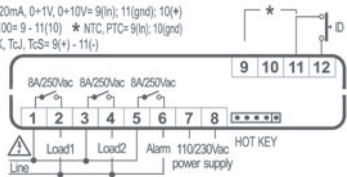
### XT130D

- \* 4÷20mA, 0÷1V, 0÷10V= 11(in); 10(gnd); 12(+)
- \* Pt100= 11 - 10(12) \* NTC, PTC= 11(in); 12(gnd)
- \* TcK, TcJ, TcS= 11(+)- 10(-)

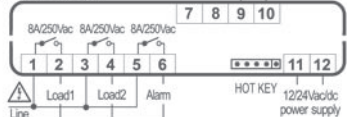


### XT131C

- \* 4÷20mA, 0÷1V, 0÷10V= 9(in); 11(gnd); 10(+)
- \* Pt100= 9 - 11(10) \* NTC, PTC= 9(in); 10(gnd)
- \* TcK, TcJ, TcS= 9(+)- 11(-)

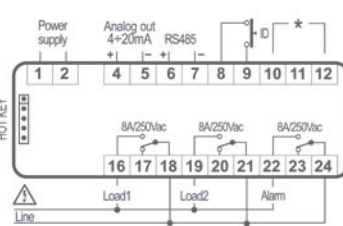


- \* 4÷20mA, 0÷1V, 0÷10V= 7(in); 9(gnd); 8(+)
- \* Pt100= 7 - 9(8) \* NTC, PTC= 7(in); 8(gnd)
- \* TcK, TcJ, TcS= 7(+)- 9(-)



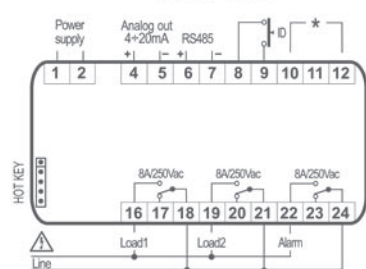
### XT131D

- \* 4÷20mA, 0÷1V, 0÷10V= 11(in); 10(gnd); 12(+)
- \* Pt100= 11 - 10(12) \* NTC, PTC= 11(in); 12(gnd)
- \* TcK, TcJ, TcS= 11(+)- 10(-)



### XT131R

- \* 4÷20mA, 0÷1V, 0÷10V= 11(in); 10(gnd); 12(+)
- \* Pt100= 11 - 10(12) \* NTC, PTC= 11(in); 12(gnd)
- \* TcK, TcJ, TcS= 11(+)- 10(-)



# XT100

## 2 STAGE PID and 4 STAGE DIGITAL CONTROLLERS



C: 32x74mm

D: 4 DIN Rail

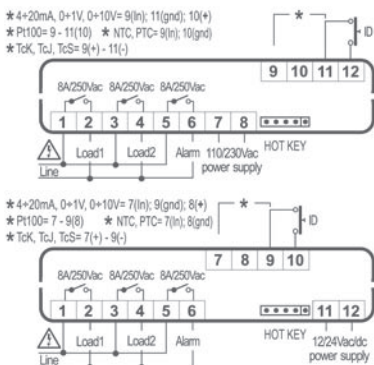
R: 72x72mm

<b>XT141C</b> <b>XT141D</b> <b>XT141R</b>	PID configurable digital 2 stage controllers with alarm relay
<b>XT151D</b>	ON/OFF configurable digital 3 stage controller with alarm relay
<b>XT160D</b>	ON/OFF configurable digital 4 stage controller

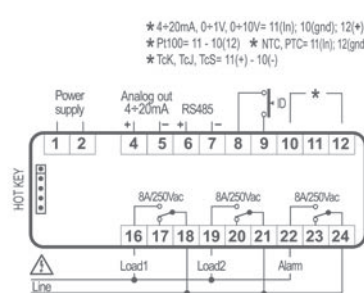
FEATURES	XT141C	XT141D	XT141R	XT151D	XT160D
<b>Display: n° digits</b>	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.
<b>Power supply</b>	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	24Vac/dc 24, 110, 230Vac	24Vac/dc 24, 110, 230Vac	24Vac/dc 24, 110, 230Vac
<b>Probe inputs</b>					
NTC, PTC, Pt100, TcJ, TcK, TcS, 4÷20mA, 0÷1V, 0÷10V	config	config	config	config	config
<b>Relay outputs</b>					
Stage 1	8A	no 8A / nc 5A	8A	no 8A / nc 5A	no 8A / nc 5A
Stage 2	8A	no 8A / nc 5A	8A	no 8A / nc 5A	no 8A / nc 5A
Stage 3				no 8A / nc 5A	no 8A / nc 5A
Stage 4					no 8A / nc 5A
Alarm	8A	no 8A / nc 5A	8A	8A	8A
<b>Other</b>					
Digital input	pres	pres	pres	pres	pres
Hot Key/Prog Tool Kit output	pres*	pres	pres	pres	pres
Serial output	TTL*	TTL	TTL	TTL	TTL
Analog output		4÷20mA opt	4÷20mA opt	4÷20mA opt	4÷20mA opt
Buzzer	opt	opt	opt	opt	opt

\*: Prog Tool Kit output and serial output only for models with 12/24Vac/dc probe supply

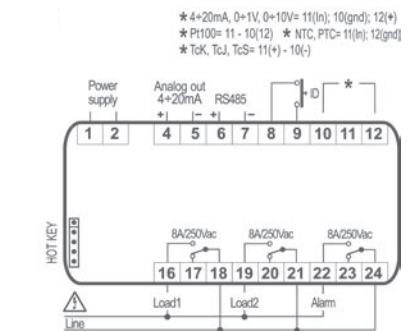
### XT141C



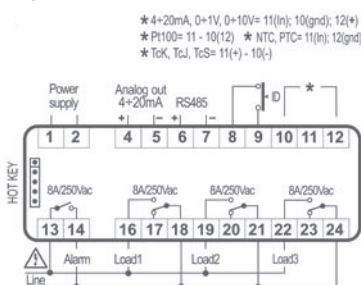
### XT141D



### XT141R



### XT151D



### XT160D

