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

-17.8 For blue display please contact Dixell

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

XT100

INDICATOR and 1 STAGE DIGITAL CONTROLLERS

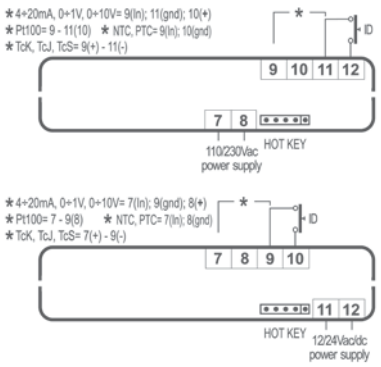
C: 32x74mm **D**: 4 DIN Rail **R**: 72x72mm

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

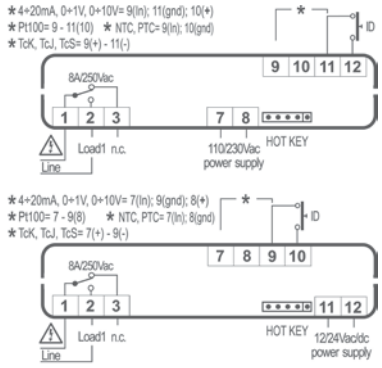
FEATURES	XA100C	XT110C	XT110D	XT111C	XT111D	XT111R
Display: n° digits	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.
Power supply	12, 24Vac/dc 110, 230Vac	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	24Vac/dc 24, 110, 230Vac
Probe inputs						
NTC, PTC, Pt100, TcJ, TcK, TcS, 4÷20mA, 0÷1V, 0÷10V	config	config	config	config	config	config
Relay outputs						
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
Other						
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

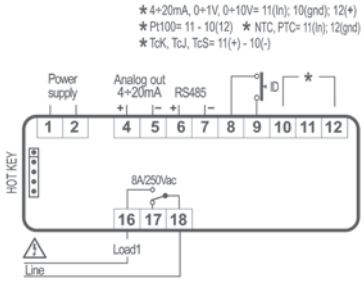
XA100C



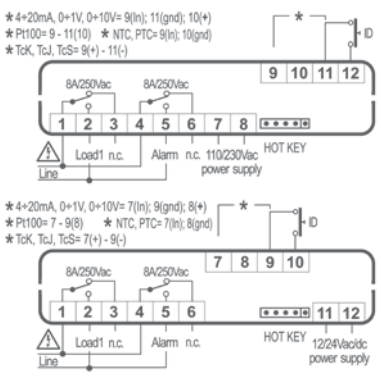
XT110C



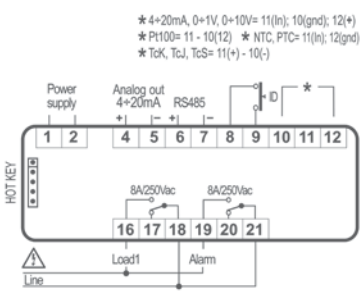
XT110D



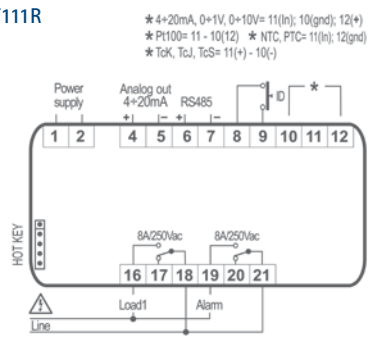
XT111C



XT111D



XT111R



XT100

2 STAGE DIGITAL CONTROLLERS

C: 32x74mm

D: 4 DIN Rail

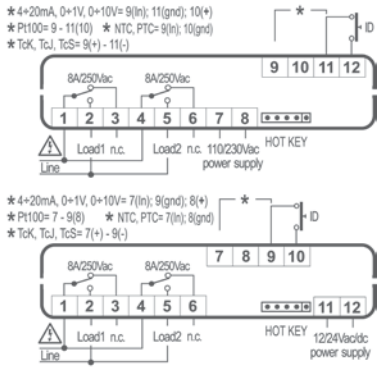
R: 72x72mm

XT120C **XT120D**	ON/OFF configurable digital 2 stage controllers
XT121C **XT121D** **XT121R**	ON/OFF configurable digital 2 stage controllers with alarm relay

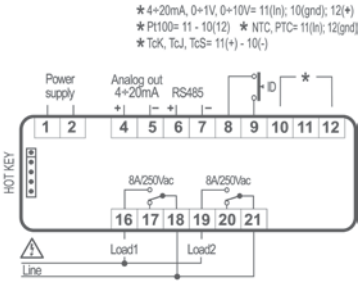
FEATURES	XT120C	XT120D	XT121C	XT121D	XT121R
Display: n° digits	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.
Power supply	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	24Vac/dc 24, 110, 230Vac
Probe inputs					
NTC, PTC, Pt100, TcJ, TcK, TcS, 4÷20mA, 0÷1V, 0÷10V	config	config	config	config	config
Relay outputs					
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
Other					
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

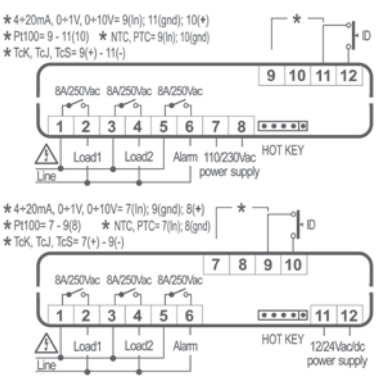
XT120C



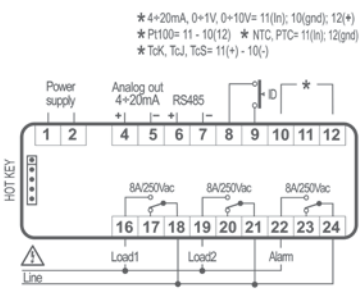
XT120D



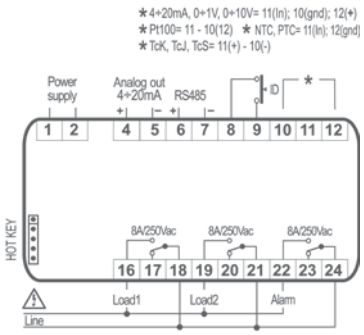
XT121C



XT121D



XT121R



XT100

NEUTRAL ZONE DIGITAL CONTROLLERS

C: 32x74mm

D: 4 DIN Rail

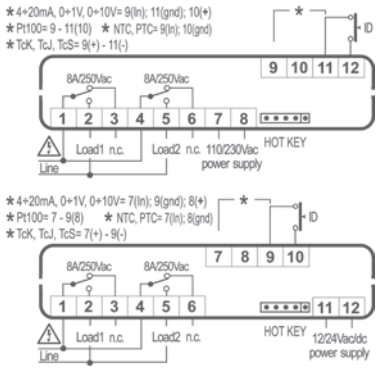
R: 72x72mm

XT130C **XT130D**	ON/OFF configurable digital neutral zone controllers
XT131C **XT131D** **XT131R**	ON/OFF configurable digital neutral zone controllers with alarm relay

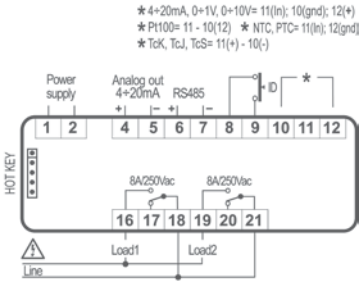
FEATURES	XT130C	XT130D	XT131C	XT131D	XT131R
Display: n° digits	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.	± 3½ d.p.
Power supply	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	12, 24Vac/dc 110, 230Vac	24Vac/dc 24, 110, 230Vac	24Vac/dc 24, 110, 230Vac
Probe inputs					
NTC, PTC, Pt100, TcJ, TcK, TcS, 4÷20mA, 0÷1V, 0÷10V	config	config	config	config	config
Relay outputs					
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
Other					
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

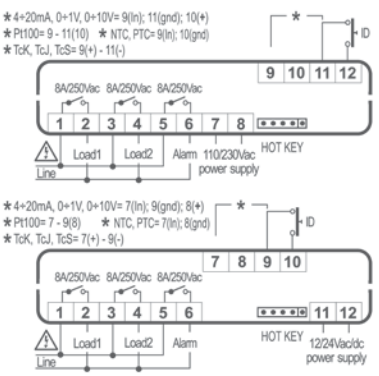
XT130C



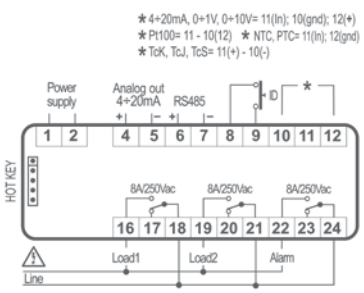
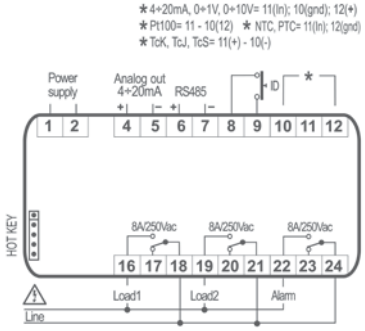
XT130D



XT131C



XT131D



XT131R