PR110

Programmable relay

The programmable relay PR110 of akYtec is suited for cost-effective implementation from simple to complex control tasks in various application areas. There are available two variants with different quantity of input and outputs. Free akYtec ALP software is used for programming. The programmable relay PR110 of akYtec can be applied as a programmable controller, but with significantly lower costs. The PR110 is designed in plastic enclosure for DIN rail or wall mounting. Plug-in screw terminals at the upper and bottom side of the device allow their replacement without disconnection of signal cables.

Areas of applications:

- Indoor and outdoor lighting, shop window lighting and access systems
- Control of compressors
- Control of fans
- Control of pumps
- Control of lifting, conveyor and filling systems

Ordering code:

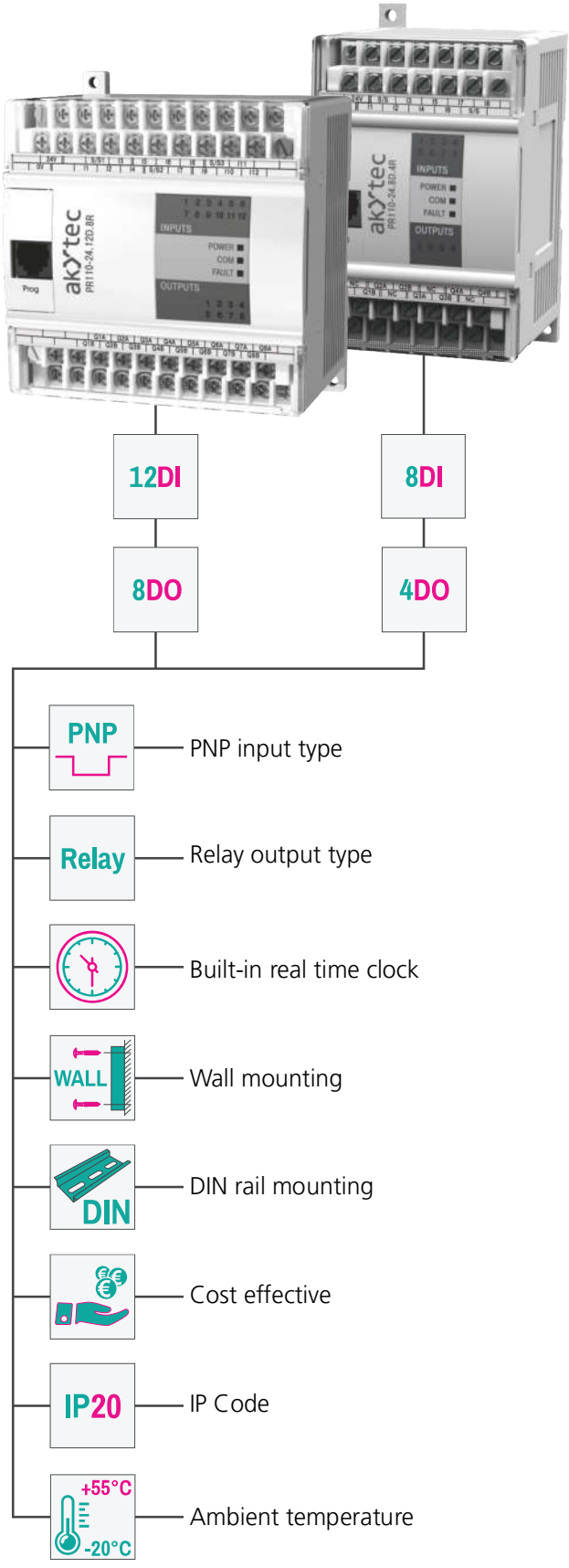
PR110 - 24. X.X - RTC

Inputs and outputs	
8 DI, 4 DO	8D.4R
12 DI, 8 DO	12D.8R

Real Time Clock

Free programming software included

Standard variants	Description	Enclosure
PR110-24.8D.4R-RTC	24 V DC, 8DI + 4DO + RTC	DIN rail / wall 63 x 110 x 73 mm
PR110-24.12D.8R-RTC	24 V DC, 12DI + 8DO + RTC	DIN rail / wall 96 x 110 x 73 mm



PR110

Technical Data:

		PR110-24.8D.4R		PR110-24.12D.8R
General				
Power supply		24 (21...27) V DC		24 (21...27) V DC
Power consumption, max.		6 W		8 W
Real Time Clock		yes		yes
DI/DO status indicators		LED		LED
Communication protocols		Modbus RTU / ASCII (Slave)		Modbus RTU / ASCII (Slave)
Mounting		DIN rail / wall		DIN rail / wall
Ambient temperature		-20...+55 °C		-20...+55 °C
IP code		IP20		IP20
Dimensions		63 x 110 x 73 mm		96 × 110 × 73 mm
Weight		approx. 210 g		approx. 315 g
Programming				
Programming environment		akYtec ALP		akYtec ALP
Programming language		FBD		FBD
Program memory		63 FBs		63 FBs
Programming interface		UART, USB (available with PR-KP20)		UART, USB (available with PR-KP20)
Digital inputs		**(I1...I8)**		**(I1...I12)**
Quantity		8		12
Type		switch contact, PNP, 24±3 V DC		switch contact, PNP, 24±3 V DC
Logical states	1	9...27 V DC (3.5...9.0 mA)	1	9...27 V DC (3.5...9.0 mA)
	0	0...2 V DC (0...0.5 mA)	0	0...2 V DC (0...0.5 mA)
Galvanic isolation		in groups of 4		in groups of 4
Digital outputs		**(Q1 ...Q4)**		**(Q1...Q8)**
Quantity		4		8
Type		relay		relay
Galvanic isolation		yes		yes
Switching capacity	AC	5 A, 250 V (resistive load)	AC	5 A, 250 V (resistive load)
	DC	3 A, 30 V	DC	3 A, 30 V
Minimum load current		10 mA (at 5 V DC)		10 mA (at 5 V DC)

Front view: