

## Relays



## easy Programmable Relay



## XC152 PLCs



## XV HMI-PLCs



## Preset Counters



## Hour Meters



## Encoders



## 3.1 Relays

Product Overview .....	V9-T3-2
Terminal Block Relays .....	V9-T3-8
General Purpose Plug-In Relays .....	V9-T3-9
General Purpose Type AA Relays .....	V9-T3-23
XTRE Control Relays .....	V9-T3-24
Solid-State Relays .....	V9-T3-26
TR Series Timing Relays .....	V9-T3-29

## 3.2 Programmable Controllers

Product Overview .....	V9-T3-33
Fusion Integrated Machine Controller .....	V9-T3-36
easy Programmable Relays .....	V9-T3-37
easy802/806 Programmable Relays with SmartWire-DT .....	V9-T3-41
XC152 PLCs with and without SmartWire-DT .....	V9-T3-42
XV Series HMI-PLCs with and without SmartWire-DT .....	V9-T3-44
ELC Series Programmable Logic Controllers .....	V9-T3-46

## 3.3 Preset Counters

Product Overview .....	V9-T3-49
1/16 DIN LCD Preset Counter .....	V9-T3-50
1/8 DIN Eclipse Series Preset Counter .....	V9-T3-51

## 3.4 Ratemeters

Product Overview .....	V9-T3-52
Courier Series Battery Powered Ratemeter .....	V9-T3-53
Eclipse Series 1/8 DIN LED Ratemeter .....	V9-T3-54

## 3.5 Hour Meters

Product Overview .....	V9-T3-55
Electromechanical Hour Meters .....	V9-T3-56
Electronic LCD Hour Meters .....	V9-T3-57

## 3.6 Totalizers

Product Overview .....	V9-T3-58
Electromechanical Totalizers .....	V9-T3-59
Electronic 1/32 DIN Totalizers .....	V9-T3-60
Electronic Courier Series Battery Powered LCD Totalizers .....	V9-T3-61
Electronic 1/8 DIN LED Totalizers .....	V9-T3-62

## 3.7 Encoders

Product Overview .....	V9-T3-63
Shaft Encoders .....	V9-T3-64

For our complete product offering, see Volume 7—Logic Control, Operator Interface and Connectivity Solutions, CA08100008E and PG05400001E

#### Product Overview

#### Relays Selection Guide



3

Description	XR Series Terminal Block Relays			D1 Series	D2 Series		
	Page V9-T3-8			Page V9-T3-9	Page V9-T3-11		
Approvals							
Features	Pluggable relay allows easy field replacement, LED indicator standard, functional plug-in bridges available Only 6.2 mm wide for SP and 14 mm wide for DP DIN rail mounting			Polycarbonate cover Indicator lamp and pushbutton available Panel and DIN mounting		Polycarbonate cover Indicator lamp and pushbutton available Panel, DIN and flange mounting Latching	
<b>Contact Data</b>							
Configuration	SPDT	DPDT	OctoCoupler	SPDT	DPDT	DPDT Latching	4PDT
Maximum allowable load	6A or 10A	6A	2A	20A	10A	10A	10A
Material	—			Silver alloy	Silver alloy		
Dielectric strength between poles	—			1500V	1500V		
<b>Coil Data</b>							
AC	24 Vac or 120 Vac			6–240 Vac	6–240 Vac		
DC	12, 24, 110 Vdc			6–110 Vdc	6–110 Vdc		
Power							
VA (Vac)	1.5			0.9 VA	1.2 VA		
Watts (Vdc)	0.12			0.7 Watts	0.9 Watts		
<b>General Data</b>							
Ambient temperature							
Storage	—			–40° to 185°F (–40° to 85°C)	–40° to 185°F (–40° to 85°C)		
Operational	–4° to 140°F (–20° to 60°C)			–40° to 131°F (–40° to 55°C)	–40° to 131°F (–40° to 55°C)		
Response time	Available upon request			20 milliseconds	20 milliseconds		
Life							
Mechanical operations	20 million			10 million	10 million		
Electrical operations	—			100,000	200,000		

For our complete product offering, see Volume 7—Logic Control, Operator Interface and Connectivity Solutions, CA08100008E and PG05400001E.