

466-487, 466-499: Sockets will accept Diode and LED modules detailed below. Colour blue. For suitable wire retaining clip see Order Code 103-741.

177-176, 177-177: Compact low profile sockets designed to take up no extra space when used with **DIN48** packages. Contact rating 10A.

175-001, 175-002: These have accessible space for direct connection of additional electronic components.

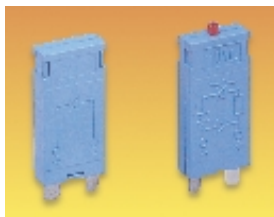
Mfrs. List No:

Finder: 9020 = 466-487, 9021 = 466-499, 9026 = 466-463, 9027 = 466-475  
Omron: PF083A-E = 176-961, PF113A-E = 176-962

REL109

	Order Code	Price Each				
		1+	25+	50+	100+	250+
8 pin base	<b>466-463</b>					
11 pin base	<b>466-475</b>					
8 pin base	<b>.176-961</b>					
11 pin base	<b>.176-962</b>					
8 pin base	<b>466-487</b>					
11 pin base	<b>466-499</b>					
8 pin base	<b>177-176</b>					
11 pin base	<b>177-177</b>					
8 pin base	<b>175-001</b>					
11 pin base	<b>175-002</b>					

## Protection and Indication Modules



These modules can be easily inserted in the special relay sockets Order Codes 466-487 and 466-499 (detailed above) to provide extra facilities for Finder 8 and 11 pin 60 series relays. The modules provide back EMF diode protection, LED indication, or both.

The modules are also suitable for use with Finder PCB power relays and bases (see **Page 1262**).

Mfrs. List No: 9901-3000-00 = 323-5129, 9901-0024-50 = 323-5154, 9901-9024-90 = 323-5130, 9901-9060-90 = 323-5142, 9901-0230-50 = 323-5245

REL156

Type	Operating Voltage	Order Code	Price Each				
			1+	25+	100+	250+	500+
Diode	6 to 220V dc	<b>323-5129</b>					
Diode + LED	6 to 24V dc	<b>323-5130</b>					
Diode + LED	28 to 60V dc	<b>323-5142</b>					
LED	6 to 24V ac/dc	<b>323-5154</b>					
LED	110 to 230V ac/dc	<b>323-5245</b>					

## Multifunction Timer Module



Timer module (case)  
H = 44, W = 10, D = 35  
Socket H = 26, W = 38, D = 75



The electronic timer module fits alongside a Finder 60-13 Series 11-pin power relay in the special DIN rail/surface mounting socket.

The time range of the module is from 0.1 seconds to 10 hours, there are 7 timings and LEDs to indicate 'relay on' (yellow) and 'power on' (green). Suitable over a wide voltage range from 24 to 240V ac/dc.

**Operating modes** E = On-delay, eW = On-pulse, Bi = Symmetrical recycler (pulse starting), = Symmetrical recycler (pause starting), R = Off-delay (timing on start release) eWs = Off-delay (timing on start pulse), aW = On-delay (timing on start release).

**Time ranges (6 ranges)** 0.1 to 1s, 1 to 10s, 0.1 to 1m, 1 to 10m, 0.1 to 1 hr, 1 to 10 hr

**Repeat accuracy** ±2%

**Supply voltage** 24 to 240V ac/dc

**Supply voltage range** 85 to 110%

**Ambient temperature** -20 to +55°C

Mfrs. List No. : 8660-0240-1 = 959-522, 9073 = 606-650, 9072 = 735-802

REL043

	Order Code	Price Each				
		1+	5+	10+	25+	100+
Timer module	<b>959-522</b>					
DIN Rail socket 8 way	<b>735-802</b>					
DIN rail socket 11 way	<b>606-650</b>					

## DIN Rail/Surface Mounting with Cover



103-927/928  
L = 84, W = 36, D = 21  
Base+Cover L = 106, W = 40, H = 22  
Single fixing hole dia = 4, or  
M3 fixing centres = 30

170-289/290  
L = 83, W = 36, D = 22  
Base+Cover L = 105, W = 39, H = 22  
M3 fixing centres = 30mm

Screw terminal bases for mounting on 35mm DIN rail or for screw mounting to flat surfaces. The terminals of Order Code 103-927/928 will accept 6.35mm (0.25") faston connectors when screws and washers are removed. These same bases can be easily removed from DIN rail by release tab. Both covers have cable entry knockouts at each end.

rel110

	Order Code	Price Each				
		1+	25+	50+	100+	250+
8 pin base	<b>.103-927</b>					
11 pin base	<b>.103-928</b>					
Cover	<b>.103-929</b>					
8 pin base	<b>.170-289</b>					
11 pin base	<b>.170-290</b>					
Cover	<b>.170-291</b>					

## Retaining Clips

103-741: Wire clip fits 60 series relays on 170-289/290, 151-092/093 and 175-001/002 bases (Finder 09053).

103-905: Pair of snap in clips to fit MKP and 60 series relays with 176-961/962 bases (Omron PFCA1).

103-737: A universal spring clip with solder tag connections to suit 176-961/962 and 170-289/290 bases (Finder 09056).

REL111

Order Multiple=5	Order Code	Price Each				
		5+	25+	100+	250+	500+
	<b>103-741</b>					
	<b>103-905</b>					
	<b>103-737</b>					

## Panel Mounting



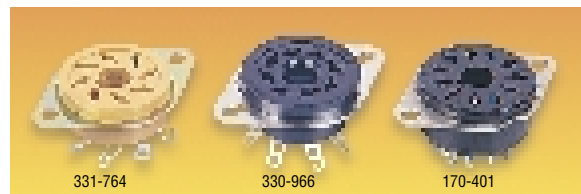
177-178 Front view  
177-179 Rear view  
L = 43, W = 43, H = 20 L = 47, W = 47, H = 20

Compact screw terminal sockets for panel mounting, designed to take up no extra space when used with **DIN48** packages. Contact rating 10A. The screws are on the reverse side, allowing access with the unit on the panel.

REL081

	Order Code	Price Each				
		1+	25+	50+	100+	250+
8 pin base	<b>.177-178</b>					
11 pin base	<b>.177-179</b>					

## Chassis Mounting



331-764 330-966 170-401

Body Dia: 330-966, 170-401 = 29  
331-788, 331-764 = 30  
Fixing centres: 331-764, 170-401 = 38  
330-966, 331-788 = 40 (slots)

REL069

Mfrs. List No.	Order Code	Price Each				
		1+	10+	25+	50+	100+
<b>8 Pin Bases</b>						
X8U	<b>331-764</b>					
PL08	<b>330-966</b>					
<b>11 Pin Bases</b>						
11PGF	<b>.170-401</b>					
PL11	<b>331-788</b>					

continued