

Multifunction – H3DE Series DIN Rail Mounting



H = 79, W = 22.5, D = 100



Multifunction

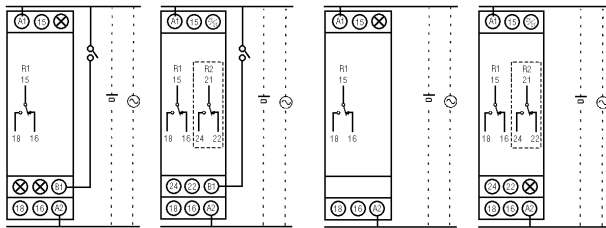
- Wide selection of operating modes available
- Timing controls (0.10s to 120 hrs) and LED indication on front of unit
- Wide operating voltage range 24V ac/dc to 230V ac/dc

Off Delay

- True off delay timer
- Supplied with unit identity tag
- Operating voltages 24Vac/dc, 100/120Vac, 200/240Vac

Twin Timer

- Independent ON and OFF time settings
- Seven time scales from 0.1 sec to 12hrs
- Operates in flicker - OFF or flicker - ON start mode with one unit
- Wide operating Voltage range 24Vac/dc to 230Vac/dc
- Housing only 22.5m wide
- Conforms to **VDE 0435** and approved to **UL** and **CSA**



Operating modes:

- 4 mode
- 8 mode

A: ON delay, B2: Recycling ON start, E: Interval, J: One shot
 A: ON delay, B: Recycling OFF start, B2: Recycling ON start, C: Signal ON/OFF delay, D: Signal OFF delay, E: Interval, G: Signal ON/OFF delay, J: One shot

Multifunction/H3DE-F 0.12s-1.2s to 12hr-120hr

H3DE-HS

0.1s - 12s

H3DE-HL

1.0s-120s

Repeat accuracy

±1%

Contact rating

5A @ 250V ac/30V dc

Operating voltage range

85% to 110%

Operating temperature

-10°C to +55°C

121

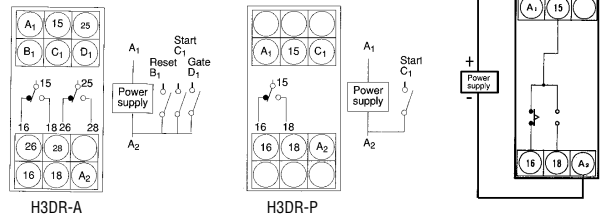
Output Contacts	Mftrs. List No.	Order Code	Price Each				
			1+	5+	10+	25+	50+
Multifunction – 4 mode							
SPCO	H3DE-S1	.986-999					
DPCO	H3DE-S2	.987-001					
Multifunction – 8 mode							
SPCO	H3DE-M1	.987-013					
DPCO	H3DE-M2	.987-025					
Twin Timer							
SPCO	H3DE-F	186-132					
Operating Voltage							
True OFF Delay – SPCO - (0.1-12 sec)							
24Vac/dc	H3DE-HS24V	186-077					
100-120Vac	H3DE-HS100V	186-089					
200-230Vac	H3DE-HS200V	186-090					
True OFF Delay – SPCO - (1-120 sec)							
24Vac/dc	H3DE-HL24V	186-107					
100-120Vac	H3DE-HL100V	186-119					
200-230Vac	H3DE-HL200V	186-120					

Multifunction, Off-Delay, Recycling – H3DR DIN Rail Mounting



- Wide selection of operating modes available
- Housing only 22.5mm wide
- II timing controls and LED indication on front of unit
- Conform to EMC directives
- Conform to **VDE 0435** and approved by **UL** and **CSA**.
- Finger protected terminals to **VDE0106**

H = 54 (facia), 75 (overall), W = 22.5, D = 100



Multifunction timers have six operating modes and timing from 0.12 seconds to 120 hours. A set zero value enables easy sequence checks. There is a fine tuning control. The SPCO timers have a start input. The DPCO timers have Start, Reset and Gate inputs. The true off delay timer will time up to 120 seconds without power and has fine tuning control and high immunity to inverter noise.

The recycling timer has seven time ranges from 0.1 seconds to 12 hours and independent ON and OFF time settings.

Combinations of long-ON/short-OFF or short-ON/long-OFF time settings are possible.

Operating modes

478-428, 478-430, 478-441
280-033, 280-021

A: ON - delay, B: Recycling OFF start
 B2 = Recycling ON start, C = Signal ON/OFF - delay,
 D: Signal OFF delay, E = Interval
 True OFF delay
 Recycling (independent ON and OFF)

560-595, 560-601
560-571, 560-583

Time ranges

Multifunction: From 0.12s - 1.2s to 12 hr - 120 hr
 True OFF delay: 1s - 12s, 10s - 120s
 Recycling: From 0.12s - 1.2s to 1hr - 12 hr

Accuracy of operating time: ±1% FS max. (1%±10ms in 1.2s range)

Reset Time

0.1s max.

Operating voltages

See below. All ac voltages are 50/60Hz.

Contact rating

5A@ 240V ac.

Operating voltage range

85% to 110%

Operating temperature

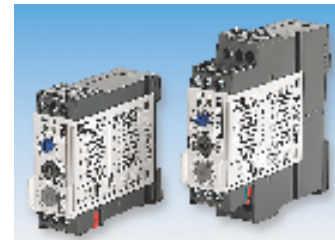
-10°C to +55°C

81X

Voltage	Order Code	Price Each			
		1+	5+	10+	50+
Multifunction SPCO – H3DR-P					
24V ac/dc	478-428†				
100-120V ac	478-430†				
200-240V ac	478-441†				
Multifunction DPCO – H3DR-A					
24V ac/dc	280-033				
100-240V ac	280-021				
Delay on De-energise (without auxiliary supply) – H3DR-HL					
24V ac/dc	560-595†				
200 - 240V ac	560-601†				
Recycling - H3DR-F					
24V ac/dc	560-571†				
100-240 Vac	560-583†				

†Available until stocks are exhausted

Multifunction – TDMA / TDMB



TDMA: H = 64, W = 22.5, D = 75; TDMB: H = 85, W = 22.5, D = 94

- 8 operating modes
- DIN rail mount 22.5mm
- 8 timing ranges – front panel selectable
- SPCO or DPCO 8A output relay
- Indicators for range, mode, power and timing
- Integral voltage selector
- 24V AC/DC or 110 – 230V AC

Time ranges: 1,10 secs, mins, hrs, days (TDMA)

1,30 secs, mins, hrs, days (TDMB)

Operating modes: A: On-delay E: On-delay with contact

B: Off-delay F: Single shot

C: Single shot leading edge G: Flasher pause first

D: Single shot trailing edge H: Pulse detection

Contact configuration: TDMA, 1 C/O

TDMB, 2 C/O programmable for 2 timed or 1 timed, 1 instantaneous

Temperature: -25° to +55°C



TIM159

Mftrs. List No.	Order Code	Prices Each				
		1+	5+	10+	25+	50+
TDMA	332-9148					
TDMB	332-9150					

Continued