

General

DRS-08-XX digital time relay is specifically designed for controlling the time can be used in industry, residential, factory facilities.

Setting Working Time, Time Range and Working Function

Ex.: If you want to energized the relay after a delay of 5 minutes.

- (1) Press and hold the "SET" key and the "▲" key at the same time, press the "▲" key to select the F1 function, and press the "SET" key to select the function.
- (2) Press the "▲" key to select the (M) time range, press the "SET" key to confirm, press "▲" to adjust the value to 5, press the "SET" key to confirm.

Ex.: If you want the relay to work for 100 minutes and then turn off, 320 Seconds later to work again, repeat the cycle.

- (1) Press and hold the "SET" key and the "▲" key at the same time, press the "▲" key to select the F4 function, and press the "SET" key to select the function.
- (2) Show "T1" Press the "SET" key to confirm, Press the "▲" key to select the (MM) time range, press the "SET" key to confirm, press "▲" to adjust the value to 10, press the "SET" key to confirm.
- (3) Show "T2" Press the "SET" key to confirm, Press the "▲" key to select the (SS) time range, press the "SET" key to confirm, press "▲" to adjust the value to 32, press the "SET" key to confirm.

(t-Range)	Description	Conclusion
□	1x(1-99)sec.	1-99sec.
□	1x(1-99)min.	1-99min.
H	1x(1-99)hours	1-99hours
□□	0.1x(1-99)sec.	0.1-9.9sec.
□□	0.1x(1-99)min.	0.1-9.9min
□H	0.1x(1-99)hours	0.1-9.9hours
□□	10x(1-99)sec.	10-990sec.
□□	10x(1-99)min.	10-990min.
□□	10x(1-99)hours	10-990hours

Device Display and Buttons

① Button

[SET]: Enter to the menu / Confirm programming
[▲/Reset]: Adjust programming values / Manual reset

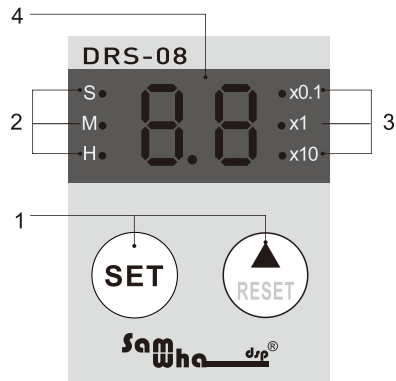
② Time range: 0.S=0.1 sec. 0.M=0.1 min. 0.H=0.1 Hours.

S=1 sec. M=1 min. H=1 hours.

SS=10 sec. MM=10 min. HH=10 hours.

③ Time scale factor

④ Display



Not_1:

After changing the function, need to power off and restart, otherwise the device will not recognize the changed function

Maintenance

Switch off the device and release from connections.

Clean the trunk of device with a swab.

Don't use any conductor or chemical might damage the device. Make sure device works after cleaning.

Relay Energized/De-energized Status

DRS-08-2N:

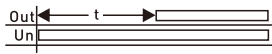
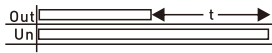
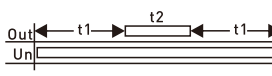
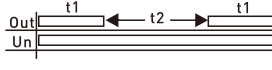
Relay is Energized: {9(COM) and 1(NC)} {12(COM) and 4(NC)} open circuit, {5(NO) and 9(COM)} {8(NO) and 12(COM)} short circuit.

Relay is De-energized: {9(COM) and 1(NC)} {12(COM) and 8(NC)} short circuit, {5(NO) and 9(COM)} {8(NO) and 12(COM)} open circuit.

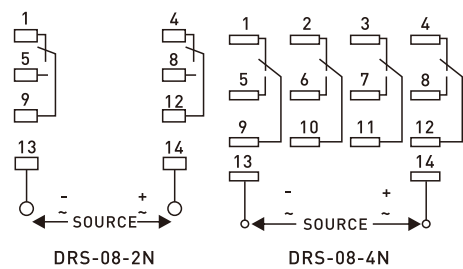
DRS-08-4N:

Relay is Energized: {9(COM) and 1(NC)} {10(COM) and 2(NC)} {11(COM) and 3(NC)} {12(COM) and 4(NC)} open circuit, {5(NO) and 9(COM)} {6(NO) and 10(COM)} {7(NO) and 11(COM)} {8(NO) and 12(COM)} short circuit.

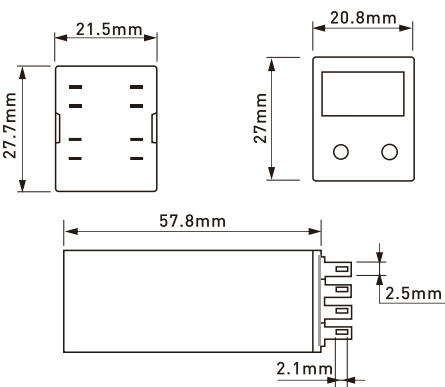
Relay is De-energized: {9(COM) and 1(NC)} {10(COM) and 2(NC)} {11(COM) and 3(NC)} {12(COM) and 4(NC)} short circuit, {5(NO) and 9(COM)} {6(NO) and 10(COM)} {7(NO) and 11(COM)} {8(NO) and 12(COM)} open circuit.

FUNCTION	CHARACTERISTIC FUNCTION	DESCRIPTION
-F1- ON Delay		After the device is powered on, the delay starts, relay is output after the delay ends. Re-execution requires power-off reset or manual reset.
-F2- OFF Delay		After the device is powered on, relay is output immediately, delay starts, after the delay ends relay stop output. Re-execution requires power-off reset or manual reset.
-F3- Flashing Timer (t=ton=toff)		After the device is powered on, relay immediately output, T1 delay starts, after the delay end the relay stop outputs, T2 delay starts, after the delay end the relay outputs. (Infinite loop)
-F4- Flashing Timer (t=toff=ton)		After the device is powered on, T1 delay starts, after the delay end the relay outputs, T2 delay starts, after the delay end the relay stop outputs. (Infinite loop)

Connection Diagram



Dimensions



Technical Specifications

Operating Voltage(13-14)	:6VDC,12VDC,24VDC,36VDC,110VDC,220VDC,24VAC,110VAC,220VAC,380VAC
Operating Power	:<6VA
Operating Temperature	: -20°C.....+55°C
Working Time Range(t)	:0,1 sec.-990 hours
Display:	:1x2 LED Display
Connection Type	:Assembled on the socket
Weight	:45gr.(DRS-08-2N);47gr.(DRS-08-4N)
Contact	:5A/250V AC Resistive Load
Operating Altitude:	:<2000meter
Cable Diameter:	:2,5mm²

Warnings

- Please use the device according to the manual.
- Don't use the device in wet.
- Include a switch and circuit breaker in the assembly.
- Put the switch and circuit breaker nearby the device, operator can reach easily.
- Mark the switch and circuit breaker as releasing connection for device.

