

# MODT15D

## 7 Day Digital Timer Instructions



Before installation work begins, the operating instructions should be read and understood. If technical assistance is required contact Cudis.

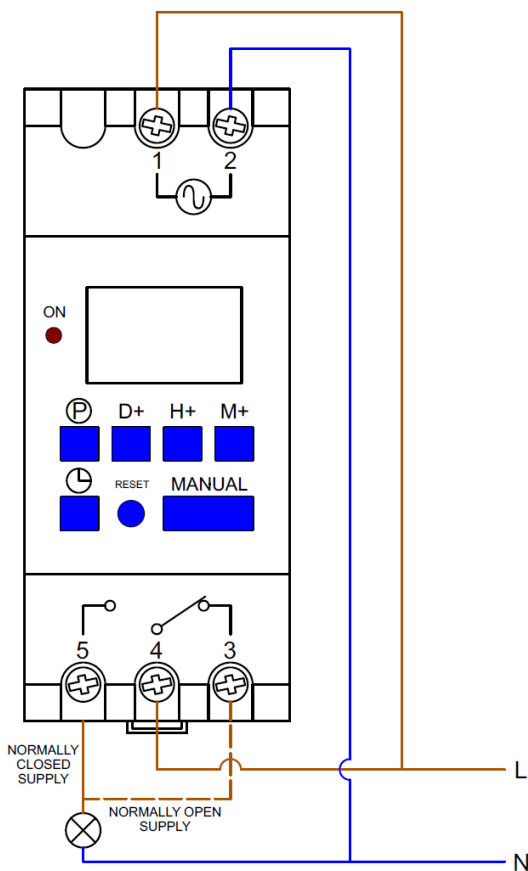
Installation should only be undertaken by a skilled electrician, qualified and working to the latest edition of the IET wiring regulations.

The unit is designed to withstand reasonable levels of interference, such as peaks in the electrical supply. However, if the supply is known to be subject to usual levels of interference, then suitable measures must be taken by the installer to mitigate.

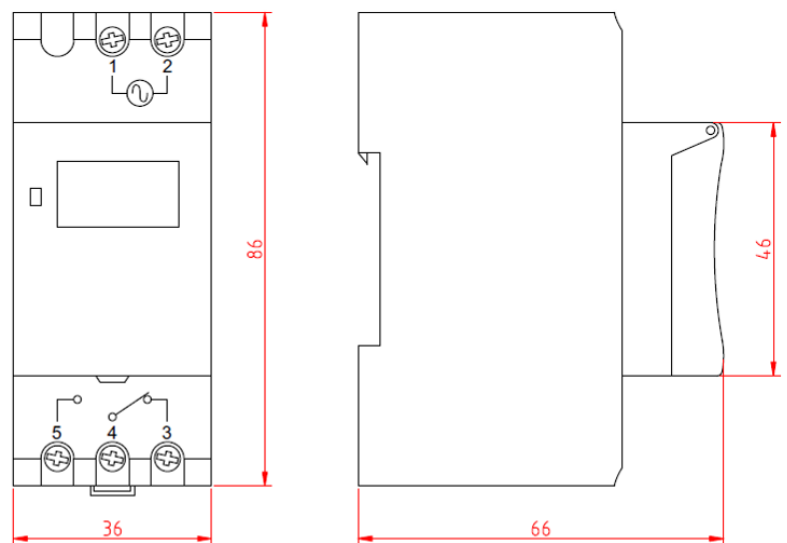
The timer is designed to switch resistive loads, if a capacitive or high inductive load is required, then a suitable contactor or relay should be used.

### Electrical Connections:

- 240V mains supply to terminals 1 & 2 (Live and Neutral)
- Switch, volt free output is across terminals 3, 4 & 5 (terminal 4 is common)
- Contacts 4 and 5 are made, when the timer is ON
- Contacts 4 and 3 are made, when the timer is OFF



### Dimensions:



### Timer function summary:

- 20 ON or OFF triggers can be set (minimum 1 minute)
- 20 PULSE triggers can be set (1sec → 59min 59sec)
- Both triggers can be used in conjunction with the following preset time periods:

MON to SAT	MON to FRI	SAT and SUN
MON to WED	THURS to SAT	MON, WED and FRI
TUES, THURS and SAT	ALL WEEK	INDIVIDUAL DAYS

- COUNTDOWN function (1sec → 99min 59sec)
- Daylight saving adjustment
- Time correction function







### Technical data:

<b>Rated voltage</b>	230V AC, 50Hz	<b>Power failure memory</b>	3 years
<b>Voltage range</b>	190— 240V	<b>Power consumption</b>	≤5VA
<b>Load capacity (resistive)</b>	16A/250V AC (COS Φ = 1)	<b>Electrical life</b>	100000 operations
<b>Load capacity (Inductive)</b>	25A/250V AC (COS Φ = 0.6)	<b>Mechanical life</b>	10,000,000 operations
<b>Contact resistance</b>	≤100mΩ	<b>Temperature range</b>	-10 to 50°C
<b>Insulation resistance</b>	≥100MΩ	<b>Ambient humidity</b>	35 to 85% RH
<b>Timing error</b>	± 2 sec/day @ 25°C	<b>Weight</b>	approx. 125g

### Initial setup:

Unit can be programmed with or without mains supply. If, 'without supply' is preferred the unit must be charged up by applying a mains supply across terminals 1 and 2 for approx. 10 minutes.

### Programming keys:

Button	Action	Button	Action	Results
RESET	3 sec	-	-	Switches device on if no display on initial power up.
RESET	3 sec	-	-	Resets the timer to factory default
	HOLD	<b>D+</b>	PRESS	Cycles through the days of the week
	HOLD	<b>H+</b>	PRESS	Increases the hours
	HOLD	<b>M+</b>	PRESS	Increases the minutes
	5 sec	-	-	Switches between 24 hour and 12 hour clock (am/pm)
	PRESS	-	-	Returns to main/time screen
	PRESS	-	-	Enter programming mode
MANUAL	PRESS	-	-	Switches between: ON, OFF, AUTO-ON and AUTO-OFF



### ON/OFF trigger setting:

Button	Action	Button	Action	Results
Ⓟ	PRESS	-	-	Enters the ON time setting
H+	PRESS	M+	PRESS	Press H+ or M+ to set the hours and minutes
D+	PRESS	-	-	Select one of the preset time periods. ( <b>SKIP</b> if every day is wanted)
Ⓟ	PRESS	-	-	Enters to OFF time setting
H+	PRESS	M+	PRESS	Press H+ or M+ to set the hours and minutes
D+	PRESS	-	-	Select one of the preset time periods. ( <b>SKIP</b> if every day is wanted)
⌚	PRESS			Exit
Repeat for each of the available 20 triggers,				
Programs should not over lap on the time sequence on the same day, e.g. program 1 ends @ 15:30, program 2 starts at 15:00				
Ⓟ	PRESS	-	-	To view set programs
MANUAL	PRESS	-	-	Clear the setting on program being viewed ⌚ to exit

### PULSE trigger setting:

Button	Action	Button	Action	Results
H+	3 sec	M+	3 sec	Press and hold both for 3 sec to enter pulse width setting (P will appear)
⌚	HOLD	H+/M+	HOLD	Hold H+ or M+ to increase the pulse width time
⌚	PRESS	MANUAL	PRESS	Finish pulse width setting
Ⓟ	PRESS	-	-	Enters the pulse ON time setting
H+	PRESS	M+	PRESS	Press H+ or M+ to set the hours and minutes
D+	PRESS	-	-	Select one of the preset time periods. ( <b>SKIP</b> if every day is wanted)
Ⓟ	PRESS	-	-	Enter the next pulse ON time setting (max 20), or ⌚ to exit
Ⓟ	PRESS	-	-	To view set programs
MANUAL	PRESS	-	-	Clear the setting on program being viewed ⌚ to exit
H+	3 sec	M+	3 sec	Press and hold both for 3 sec to exit pulse width mode (P will disappear)

### COUNTDOWN function setting:

Button	Action	Button	Action	Results
Ⓟ	3 sec	⌚	3 sec	Press and hold both for 3 sec to enter countdown setting (d will appear)
⌚	HOLD	H+/M+	HOLD	H+ or M+ to increase the pulse width time
MANUAL	PRESS	-	-	Starts the countdown
Ⓟ	PRESS	-	-	Restarts the countdown
Ⓟ	3 sec	⌚	3 sec	Press and hold both for 3 sec to exit countdown setting (d will disappear)

NOTE: ON/OFF, PULSE and COUNTDOWN, cannot be used at the same time

### TIME CORRECTION function setting:

Button	Action	Button	Action	Results
MANUAL	3 sec	Ⓟ	3 sec	Press and hold both for 3 sec to enter screen
D+	PRESS	-	-	Cycles through -3 to 3 sec, 1 press = 0.5 sec
⌚	PRESS	-	-	Exit correction

