

# TECHNICAL SPECIFICATION

## *TBMM Sequential Timer Series*



**Product Description**



**Principle of Operation**



**Performance**



**Dimensional Details**



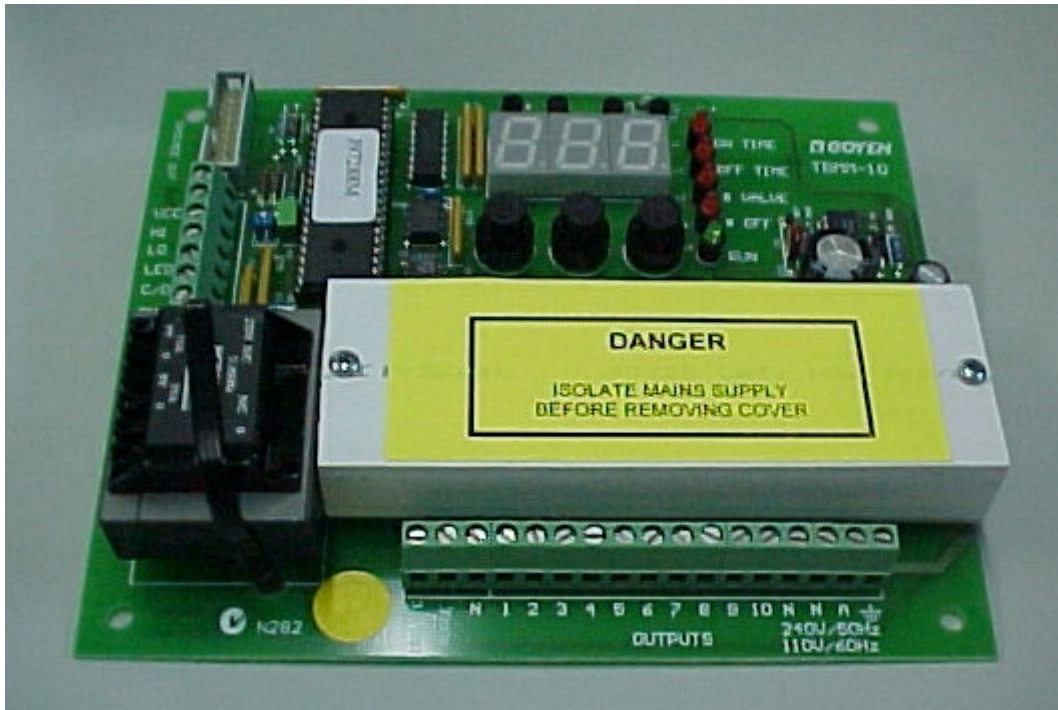
**How to Order**



## PRODUCT DESCRIPTION

### Electronic Controller for Clean Air Systems

The TBMM range of sequential timers is one of the Goyen range of electronic timers. This has been developed exclusively to control the cleaning of dust collector filters.



### Typical Applications

Used to control the pulsing of diaphragm valves in reverse jet pulse cleaning systems.



## PRINCIPLE OF OPERATION

### Functionality

Adjustable Quantities:

- On Time (35 - 350ms)
- Off Time (5 - 180) sec
- # Valve (Number of Valves)
- # Off (Number of Blowdown Cycles) (0-25)
- Remote activation of the controller
- Optional Tube Cleaner feature

### Inputs and Outputs

#### Inputs:

Voltages Available	Input	Outlet
	240/110V - 50/60 Hz	240/110V AC
	240/110V - 50/60 Hz	24V DC
	24V DC	24V DC

#### Outputs:

- Outlet Power max
  - 25VA for single valve per output
  - 50VA for dual pulsing of valves of a single output
- Number of Outputs on Controller:
  - 1 minimum
  - 10 maximum (but can connect up to 4 slave cards with 10 outputs each giving a total of 50 outputs on the system)



## **PERFORMANCE**

### **Temperature Rating**

Storage: -20°C/+80°C (-4°F/+176°F)

Working: -40°C/+60°C (-40°F/+140°F)

### **Unit Weight**

Approx 0.40 Kg (0.88 lbs)



## DIMENSIONAL DETAILS

### Envelope Size

Master: 165mm (6.5") x 135mm (5.3") x 35mm (1.4")

Slave: 95mm (3.7") x 90mm (3.5") x 30mm (1.2")

### Electrical Connections

Max wire section 2.5mm<sup>2</sup> (0.098"²)

### Mounting Details

- Mount in environments of -40°C/+60°C (-40°F/+140°F)
- Do not mount directly to hot surfaces
- Do not expose directly to sunlight
- Protect from infiltrations of water and humidity
- Do not install on vibrating surfaces
- All electrical connections including the wiring associated with the valves should not be in close proximity to wiring for other applications (for example from motor cables)
- 4 point mounting (see Operating Guide for further details)



## HOW TO ORDER

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	Input	Outlet
TBMM-10-T	240V AC/110V AC - 50/60 Hz	240V AC or 110V AC Depending on Input
TBMM-10-DC-T	240V AC/110V AC - 50/60 Hz	24V DC
TBMM-10-DC/DC-T	24V DC	24V DC

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