

## INDUSTRIAL FILTER CONTROL

# EDIZ JPT24

## TIMER - FILTER CONTROL DEVICE

A dust collection system controller designed to automatically control all filter types including jet pulse, offline and reverse air systems, and to operate according to the selected system configuration.

**24**

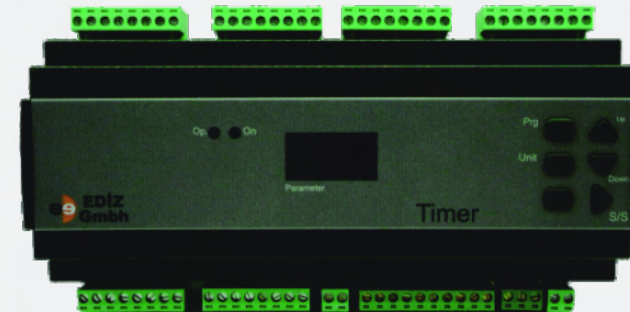
RELAY OUTPUTS

**99%**

SENSITIVITY

**4 W**

MAX. POWER



### CONTROL UP TO 24 OUTPUTS

Compatible with DP sensors and 24V-220V valves

## PRODUCT DESCRIPTION

# Compact control, flexible operation

The JPT 24 Filter Control Device allows you to control filters with up to 24 outputs. It is compatible with differential pressure sensors and 24V-220V valves. Multiple JPT24 devices can operate sequentially with each other or together with a JPT10 Filter Control Device.

### TECHNICAL SPECIFICATIONS

|                       |                      |
|-----------------------|----------------------|
| Input voltage         | 220V AC (+/-20 V AC) |
| Operating frequency   | 48-60 Hz             |
| Power consumption     | MAX. 4 W             |
| Operating temperature | +63 C / -34 C        |
| Optical output        | 30 mA (UP TO 300 M)  |
| SSR outputs           | 150 mA               |
| Accuracy class        | 1%                   |
| Sensitivity           | 99%                  |
| Output                | 10A RELAY OUTPUTS    |

### DEVICE OPERATION

When the device is powered, "TEST" appears on the display. The device then starts operating immediately according to the configured parameters.

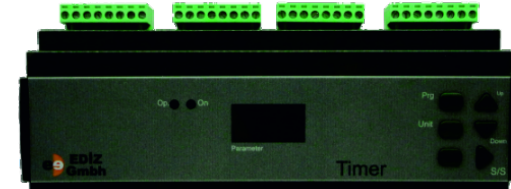
**TEST**

To enter the parameter menu, press and hold the Program key for 3 seconds. Parameter settings are provided on pages 4 and 5.

Program: hold for 3 sec

Adjust: Up / Down

Save: S/S



### CONTACT INFORMATION

#### PHONE

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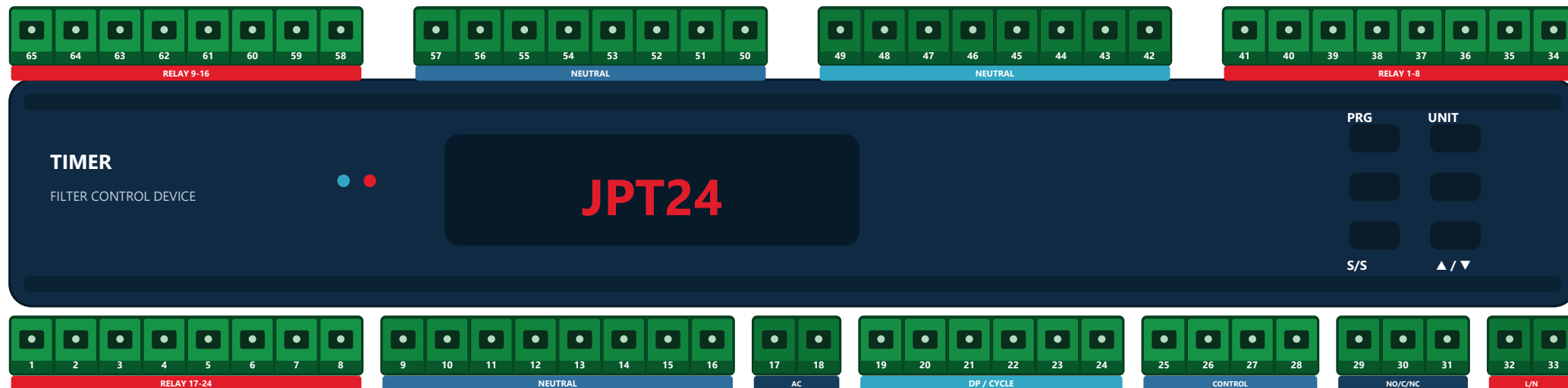
#### ADDRESS

Ostim OSB Mah. 1151. Sok. No:30  
Yenimahalle / ANKARA

## CONNECTION MAP

# Terminal Connection Diagram

TMR24 - Representative front panel and terminal layout



**T. 1-8** Relay outputs 17-24

**T. 21** 0-10V DP sensor (+) connection

**T. 28** Cycle start output to the next device (GND)

**T. 34-41** Relay outputs 1-8

**T. 9-16** Neutral connections for the relays

**T. 22** 0-10V DP sensor (-) GND connection

**T. 29** Power-on relay NO - Normally Open contact

**T. 42-49** Neutral connections for the relays

**T. 17** Common neutral when obtaining 220V AC relay outputs

**T. 23** DP or cycle start input (+12V)

**T. 30** Power-on relay common contact

**T. 50-57** Neutral connections for the relays

**T. 18** Common phase when obtaining 220V AC relay outputs

**T. 24** DP or cycle start input (GND)

**T. 31** Power-on relay NC - Normally Closed contact

**T. 58-65** Relay outputs 9-16

**T. 19** 4-20mA DP sensor (+) connection

**T. 25-26** Remote control switch connection

**T. 32** 220V AC 50Hz device phase connection

**T. 20** 4-20mA DP sensor (-) GND connection

**T. 27** Cycle start output to the next device (+12V)

**T. 33** 220V AC 50Hz device neutral connection

## PROGRAMMING THE DEVICE

# Setup in four steps

01

**PRG**

Hold for 3 seconds

02

**UP / DOWN**

Adjust the parameter

03

**PRG**

Go to the next parameter

04

**S/S**

Save the parameters

| Parameter  | Function                      | Setting / description                      | Example     |
|------------|-------------------------------|--------------------------------------------|-------------|
| <b>P1</b>  | Operating mode                | A: Auto, U: Remote, E: Manual              | <b>A</b>    |
| <b>P2</b>  | Number of outputs             | Range: 1-24                                | <b>24</b>   |
| <b>P3</b>  | Valve ON time (TOF)           | Milliseconds, 0-999                        | <b>99</b>   |
| <b>P4</b>  | Interval between valves (TON) | Seconds, 0-99                              | <b>10</b>   |
| <b>P5</b>  | Conversion time               | In minutes                                 | <b>0</b>    |
| <b>P6</b>  | Connected device selection    | Set to 1 if another device is connected    | <b>0</b>    |
| <b>P7</b>  | Post-shock waiting time       | In minutes                                 | <b>0</b>    |
| <b>P8</b>  | Starting number               | Set to 1 if not connected to another timer | <b>1</b>    |
| <b>P9</b>  | Offline mode                  | 0, 1, 2, 3 or 4                            | <b>0</b>    |
| <b>P10</b> | DeltaP sensor multiplier      | Range: 1000-8000                           | <b>5000</b> |
| <b>P11</b> | Cycle start Pascal setpoint   | Pascal setpoint                            | <b>5000</b> |

## OPERATING NOTES

- P1: A is Main, U is Satellite and E is Manual mode.
- P5: If the DP reading does not change, shock cleaning is performed within the set period.
- P9: Example: for 3 dampers / 15 valves, set P2=15 and P9=3.
- After saving, V 24 appears on the display.
- A rt: Waiting for remote start. Short terminals 25 and 26 to start.
- U rt: Waiting for the DP signal; one cycle runs when the signal is received.

## TECHNICAL SUPPORT

**0312 395 52 36**

JPT24 - Programming and parameter reference

## REFERENCE

# Detailed parameter functions

This page presents all parameter descriptions from the source catalog in a clear reference layout.

## PARAMETER 1

Sets the operating mode. A is auto mode. If the remote start input is active when power is applied, the timer starts without waiting. U is remote mode and is used with differential pressure devices or multiple timers. E is Manual mode and is used to test all relay outputs individually.

## PARAMETER 2

Sets the number of outputs from 1 to 24.

## PARAMETER 3

Sets the valve ON time (TOF) in milliseconds from 0 to 999.

## PARAMETER 4

Sets the waiting time between valves (TON) in seconds from 0 to 99.

## PARAMETER 5

Sets the conversion time in minutes. If a DP device is connected and the pressure does not change, the device waits for the configured period and performs shock cleaning within that period.

## PARAMETER 6

Set to 1 when another device is connected to this device.

## PARAMETER 7

Sets the waiting time after shock cleaning. After all valves have been activated, the waiting time before the next cycle is set in minutes.

## PARAMETER 8

Sets the starting number. Set to 1 if this timer is not connected to another timer.

## PARAMETER 9

Sets Offline mode to 0, 1, 2, 3 or 4. For example, for a filter with 3 dampers and 15 valves, set P2 to 15 and P9 to 3. The device operates as 3 dampers with 4 valves.

## PARAMETER 10

Sets the DeltaP sensor multiplier from 1000 to 8000.

## PARAMETER 11

Sets the Pascal value that starts the cycle.

## DISPLAY STATUS

**V 24**

The parameters have been saved.

**A rt**

The device is waiting for remote start. Start is provided by shorting terminals 25 and 26.

**U dp**

The device waits for the DP signal. It runs one cycle when the signal is received, then waits again.