# PREMIUM MODULE



## DESCRIPTION

The Premium Module expands an EC motor to be fully configurable and multipurpose. The Premium Module provides an integrated MODBUS interface and enables sensors to be connected directly to the EC fan.

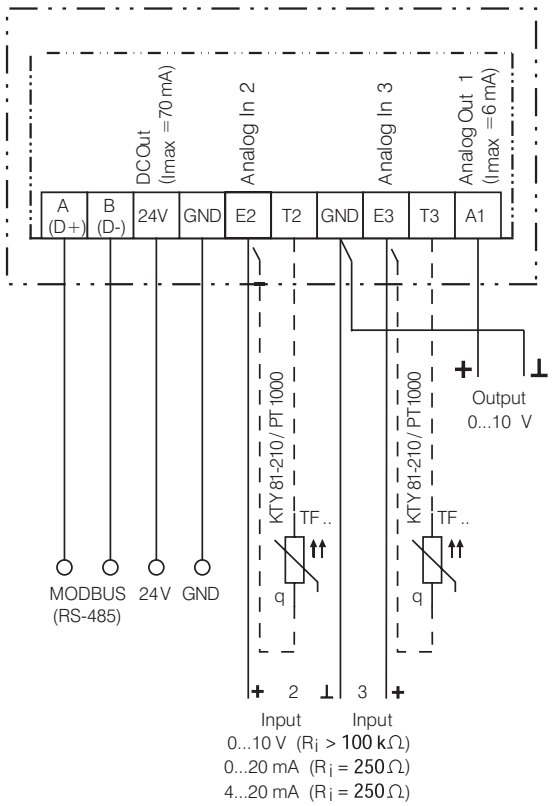
### Features

- Quick and easy to install
- Pre-set parameters control the fan's speed in proportion to demand
- Plug in Premium Module expands input/output interface on an EC fan
- Provides MODBUS interface that allows integration into existing MODBUS-RTU networks
- Premium Module is pre-configured to project specifications by Fantech

The following Inputs/outputs can be connected to the AM Premium Module

- 2 x Digital input
- 2 x Analogue Input
- 1 x Analogue output
- 1 x 24V DC output (70mA)
- 1 x 10V DC output (10mA)
- 1 x Relay output (Configured to N.O. or N.C.)
- 1 x MODBUS (RS-485)

## WIRING DIAGRAM




## TECHNICAL DATA

| Model Number | Functional Extension | Configuration |
|---|---|---|
| DCV-CU-PREM | Via cable | Pre-configured by Fantech during manufacture on request |

# TEMPERATURE CONTROLLER



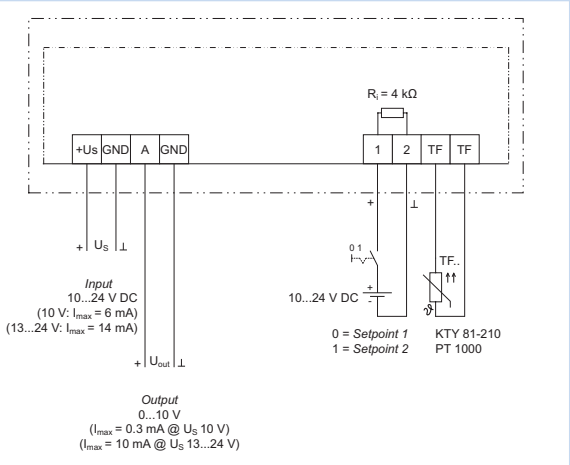
## DESCRIPTION

The temperature controller combined with matching sensors can be used in a range of applications including extraction and supply air systems.

### Features

- Quick and easy to install and commision
- Pre-set parameters to control an EC fan's speed in proportion to demand
- 10-24V DC Supply Voltage
- 0-10V DC Output Signal
- 2 x Setpoints selectable via Digital Input
- Requires additional KTY 81-210 or PT 1000 type sensor for temperature sensing

## WIRING DIAGRAM




## TECHNICAL DATA

| Model Number | Measuring Range | Mount Type | Protection Class | Dimension, mm |
|---|---|---|---|---|
| DCV-CU-CTG-150AV | -50°C to +150°C | Wall | IP54 | 106W x 137H x 56D |


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