



## Cloud enabled controller



## Features

- Cloud I/O and control
- Fully encrypted cloud interface
- Configuration free setup
- JSON based command interface
- Serial data router
- Industrial temp. Range -40 .. +85 °C
- 8 digital / analog inputs / outputs
- Configurable inputs (voltage, timing, event)
- Power fail safe counters / elapsed time meters
- User configurable logic engine
- h2n App for tablet / smartphone

### General Data

|                       |                                  |
|-----------------------|----------------------------------|
| Temperature Operation | - 40 .. 85 °C                    |
| Weight (net/gross)    | 62 g                             |
| Dimension(W x D x H)  | 17,8x 60 x 89 mm                 |
| Mechanics             | DIN Rail Mount 1 TE Weight 62    |
| Screw Connector       | 0,14 .. 1,5 mm2 solid / stranded |
| ESD                   | IEC 61000-4-2 up to 8 kV         |

### Power Supply

|                        |                                       |
|------------------------|---------------------------------------|
| Power Consumption      | 600 mW typ (no digital output active) |
| Operating Voltage (VS) | 11 .. 32 V                            |

### Digital Output (IEC61131-2)

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Digital Output Voltage High     | (VS-0,1 V) .. VS                     |
| Power Switch On Resistance      | 100mΩ max at 25 °C                   |
| Digital Output Current          | 0,7 A                                |
| Output Short Circuit Current    | 0,7 A cont. 1,4 A peak at 25 °C      |
| Output Current Off              | +/- 5 μA                             |
| Turn on Voltage Slope           | 3 V / μs typical<br>4 V / μs typical |
| Digital Output Thermal Shutdown | 135 °C                               |

### Analog / Digital Input (IEC61131-2)

|                            |                          |
|----------------------------|--------------------------|
| Analog Input Voltage Range | 0 .. 10 V                |
| Analog Input Resistance    | R1 ≥ 10 KΩ               |
| Digital Input Threshold    | Configurable (0 .. 10 V) |

## Headquarter

10F-3, No.270, Sec.4,  
Chung Hsiao E.Rd.,  
Taipei, 10694, Taiwan

T +886 2 2751-7192  
E-mail: info@efco.com.tw

## EMEA

T +49-991-2009298-0  
E-mail: info@efcotec.com

## America

T +1-760-827-8600  
E-mail: sales-us@efcotec.com

|                       |                           |
|-----------------------|---------------------------|
| Digital Input Range   | - 0.5 .. 36 V             |
| Digital Input Current | Programmable (0 / 1,5 mA) |
| <b>RS 232</b>         |                           |
| Signals               | TX, RX, RTS, CTS          |
| Baudrate              | 115 kBaud max             |
| Max Input Voltage     | -25 .. 25 V               |
| Min Output Voltage    | -5 .. 5V                  |
| <b>RS 485</b>         |                           |
| Signals               | A+, B-; half duplex       |
| Baudrate              | 250 kBaud max             |
| <b>Ethernet</b>       |                           |
| Speed                 | 10/100 BaseT              |
| Connector             | Industrial RJ45 shielded  |

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T +886 2 2751-7192  
E-mail: info@efco.com.tw

## EMEA

T +49-991-2009298-0  
E-mail: info@efcotec.com

## America

T +1-760-827-8600  
E-mail: sales-us@efcotec.com