

DTM 02

Machine Utilisation and Down Time Monitor Terminal

The DTM02 Down Time Monitoring Terminal makes it easy to enter and display data at shop floor level.

- **Large LCD Display, Easy to use**
- **Six Function Keys, Full Alpha Numeric Keypad**
- **4 Digital Inputs, Back Lit Display**
- **2 Relay Outputs, Fully Prodigy Supported**
- **Wipe Clean Surface, Customisable Fascia**

Technical Data

Features	
Industrial Design	Flat panel design, wipe down for hygienic applications, rugged aluminium enclosure. Optional surface mount enclosure available.
Large LCD Display	Easy for operators to read, 4 lines of 20 characters, Alpha/Numeric capability, back lit for use in low ambient lighting conditions.
I/O Configuration	4 digital inputs and 2 relay outputs included as standard
Human Interface	6 definable function keys, numeric keypad, 2 scroll keys, enter, delete, Yes & No
Input	
Digital	4 digital Inputs <3Vdc = OFF, >3.5 Vdc >30Vdc =ON
Frequency Response	Digital Inputs can act as count inputs from 0-250 Hz
Output	
Digital	Contacts SPDT 1Amp resistive at 240V AC, >500,000 operations
Communications	
Digital Comms	RS485 2 wire multi-drop (64 addresses available) Proprietary protocol Optional RS232 point to point Proprietary protocol
Baud Rate	9600, 38400 baud selectable, 8 bit, no parity, 1 start bit, 1 or 2 stop bits
Operating & Environmental	
Temperature & RH	0 to 55°C (-20 to 80°C storage), 20% to 95% RH non-condensing
Power Supply	10 to 30Vdc, approx. 3 Watts
Front Panel Protection	IEC IP65. (Behind panel protection is IP20)
Dimensions	Front 176mm H, 130mm W, 32mm D, Rear 144mm H, 104mm W
Certification	CE

DTM 02 Outstation

Machine Utilisation and Down Time Monitor Outstation

The DTM02 Down Time Monitoring Outstation offers a ready made terminal interface solution for shop floor data entry and display

- **Large LCD Display, Dual LED Warning Lamps**
- **Six Function Keys, Full Alpha Numeric Keypad**
- **4 Digital Inputs, Back Lit Display**
- **2 Relay Outputs (12 Amp C/O), Includes DTM Interface**
- **Rugged Steel Enclosure, Customisable Fascia**

Technical Data

Features	
Industrial Design	Powder coated mild steel hinged enclosure pre mounted with DTM02 keypad terminal and LED warning lamps.
Large LCD Display	Easy for operators to read, 4 lines of 20 characters, Alpha/Numeric capability, back lit for use in low ambient lighting conditions.
I/O Configuration	4 digital inputs and 2 relay outputs included as standard
Human Interface	6 definable function keys, numeric keypad, 2 scroll keys, enter, delete, Yes & No LED lamps 28mm LED lamps, amber (Reason Required), red (Interlock)
Input	
Digital	4 digital Inputs <3Vdc = OFF, >3.5 Vdc >30Vdc =ON
Frequency Response	Digital Inputs can act as count inputs from 0-250 Hz
Output	
Digital	Contacts SPDT 12 Amp resistive at 240V AC, >500,000 operations Manual over-ride for M/L Interlock
Communications	
Digital Comms	RS485 2 wire multi-drop (64 addresses available) Proprietary protocol RS485 Pass through, RS485 Line termination Baud Rate 9600, 38400 baud selectable, 8 bit, no parity, 1 start bit, 1 or 2 stop bits
Baud Rate	9600, 38400 baud selectable, 8 bit, no parity, 1 start bit, 1 or 2 stop bits
Operating & Environmental	
Temperature & RH	0 to 55°C (-20 to 80°C storage), 20% to 95% RH non-condensing
Power Supply	10 to 30Vdc, approx. 3 Watts
Front Panel Protection	Front panel IP66, Keypad IP65
Dimensions	300mm H, 205mm W, 90mm D
Certification	CE

DTM NODE

Machine Utilisation and Down Time Monitor Node

The DTM NODE Down Time Monitoring Node is a back of panel interface that provides I/O connectivity where an operator keypad display is not required.

- **4 Digital Inputs, Fully Prodigy Supported**
- **2 Relay Outputs, Integral mounting bracket**
- **Compact Design, RS485 2 wire multi-drop**

Technical Data

Features	
Industrial Design	Compact and rugged design with integral mounting bracket for easy installation
Large LCD Display	Easy for operators to read, 4 lines of 20 characters, Alpha/Numeric capability, back lit for use in low ambient lighting conditions.
I/O Configuration	4 digital inputs and 2 relay outputs included as standard
Input	
Digital	4 digital Inputs <3Vdc = OFF, >3.5 Vdc >30Vdc =ON
Frequency Response	Digital Inputs can act as count inputs from 0-250 Hz
Output	
Digital	Contacts SPDT 1Amp resistive at 240V AC, >500,000 operations
Communications	
Digital Comms	RS485 2 wire multi-drop (64 addresses available) Proprietary protocol Optional RS232 point to point Proprietary protocol
Baud Rate	9600, 38400 baud selectable, 8 bit, no parity, 1 start bit, 1 or 2 stop bits
Operating & Environmental	
Temperature & RH	0 to 55°C (-20 to 80°C storage), 20% to 95% RH non-condensing
Power Supply	10 to 30Vdc, approx. 3 Watts
Front Panel Protection	IEC IP20
Dimensions	Overall 174mm H, 82mm W, 43mm D
Certification	CE