

M-PULSE CONTROL UNIT

The Control Unit automatically controls and adjusts the connected sensor. This allows a maintenance-free operation. A32-Bit Processor System analyses the sensor data in realtime and filters out product effects and interferences. The device can be monitored via several In- and Outputs. Many additional Interfaces allow integration into other systems and machines.

Features

- Stainless Steel Housing (IP65)
- Easy Handling and Operation
- High Sensitivity Application
- Fade-Out product Effect
- Touchscreen Display
- HTTP Server for Remote Control and Updates
- Maintenance Free operation



Technical Specifications

Part No.	included with TU or BD Series Tunnel Sensors
Supply Voltage	85-265 VAC, 50/60Hz
Power Consumption	max. 40W
Switching State	LED
Electrical Connection	3m connection cable (L1, N, Ground)
Digital I/O	
Digital Inputs	4
Digital Input Types	Optical isolated; VL= -5..1.5V, VH= 6..50V; (Multifunction-Key, Ejector Guard)
Digital Outputs	6
Digital Output Types	PNP; max. 200mA (Transducer, Ejector, Device State)
Sensor - Transmitter	50 Ohm; Overload/ Short Circuit Proof (50..650kHz)
Sensor - Receiver	HDC-IQ - Receiver with Sensor-Readjustment
Serial Interfaces	2 x RS232
LAN	RJ45, Ethernet, 10/100 Mbit
Relay Output	2 SPDT; 250V, 1A
Voltage Output	24 VDC, Overload/ Short Circuit Proof; max. 2.5W for internal Components

Environmental Data

Operating Temperature	-10°C..+60°C
Storage Temperature	0°C..+50°C
Protection Class	IP65
Housing Material	Stainless Steel
Dimensions	250x330x160mm (9.8"x13.0"x6.3")
Weight	4600g (10.1lb)

Operation and Handling

The Touchscreen makes operation of the Control Unit very easy. The user can adjust the sensitivity and teaches in parameters for various targets and their product effect. The Effect can be taught in via the display and saved by pressing a button. The QuickLearn function allows also to save a product effect in one step. Each saved product can be recalled by a single button.

The device is entirely maintenance-free. An integrated self-diagnosis tool immediately signalizes errors. All connections are plug-gable.

Display

Display	320x240 TFT (65536 colors) Touchscreen
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