

# CRT

## Receiving unit

The CRT model is a compact receiving unit from the Dynamic+T series. The Triband technology provides three frequency bands in a single module, which can be used in accordance with local regulations. The pairing procedures between the transmitter/receiver units and the frequency switching can be performed via radio. The CRT can be configured with 2 STOP, 2 STOP, or UMFS, and 4 digital outputs. It features a 4-digit display for diagnostics and can also be integrated into a Take&Release system. The standard antenna is internal; an external antenna with a 1 m or 3 m extension is available as an option. This receiver provides maximum flexibility through the CODESYS® development environment, the standard for programming according to IEC 61131-3.

**DYN** Dynamic+T series

**Number of outputs**  
2 STOP, 2 STOP or UMFS,  
4 digital

**Safety functions**  
GSS, EMS, ATS, UMFS (EN 62745)

**Communication protocols**  
CANopen, J1939

**Triband radio**  
870 MHz / 915 MHz / 2.4 GHz

**Programmability**  
CODESYS®





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## Technical data

Power supply	8-30 VDC
Configurable radio frequency	870 MHz 915 MHz 2.4 GHz
Performance level of stop (GSS / EMS)	up to PL e, SIL 3 (EN 13849-1)
Performance level of the automatic stop (ATS)	up to PL e, SIL 3 (EN 13849-1)
Performance level of Unintended Movements From Standstill (UMFS)	up to PL d, SIL 2 (EN 13849-1)
Number of outputs	2 STOP, 2 STOP or UMFS, 4 digital
Rated current of the command outputs	3A
Rated current of STOP/ UMFS outputs	3A
Connecting interfaces	M12 8 or 5 pin connector, Harting 10 pin connector, Souriau 10 / 19 pin connector
Type of output	digital - 2 CAN outputs
Communication protocols	CANopen, J1939
Antenna	internal, optional external
Protection degree	IP65
Operating and storage temperature	operating: (-25 °C) ÷ (+70 °C) / (-13 °F) ÷ (+158 °F) storage: (-40 °C) ÷ (+85 °C) / (-40 °F) ÷ (+185 °F)
Dimensions	198x155x72 mm (7.80x6.10x2.83 in)
Weight	1 kg (2.20 lb)

### Cert. UNI EN ISO 9001:2015 No. 50 100 2877 Design, manufacture and service of remote control systems for safety industrial application.

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