

TRI-BAND Technology

The new Dynamic Tri-Band series is a simple yet innovative and unique solution. This range of receivers allows for seamless switching between the frequency bands of 870 MHz, 915 MHz, and 2.4 GHz, enhancing operational flexibility and response speed in various environments. The introduction of radio pairing simplifies the setup by eliminating the need for physical connections with the receiver. Furthermore, the integration of three radio bands into a single product streamlines purchasing and commercialization processes, facilitating global sales with one comprehensive solution.

Dynamic T series



Tri-Band radio:
870 / 915 / 2.4G (BLE 5.)*



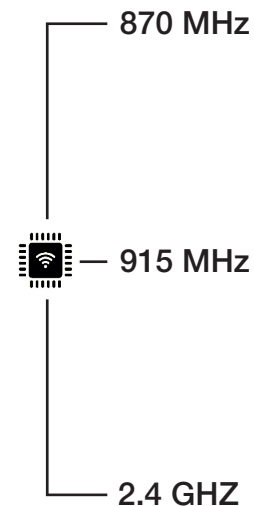
Integrated
accelerometer signals
the machine's tilt



Autonomously frequency
changing possibility
(via radio or with PC/CAN
configuration)



Wired or
radio pairing



AMT dimensions

L 185 mm (7.28 in) A 280 mm (11.02 in) P 105 mm (4.13 in)



Compatible transmitting units

TJC, TJN, TJQ, TJT, TJE, TJB



Safety performance

Safety performance of the STOP
function up to PL e, cat. 4 / SIL 3
(EN ISO 13849-1 / EN IEC 62061)



Radio frequency

870 MHz
915 MHz
2.4 GHz



Dynamic T connectivity

Analogue and digital I/O,
CANopen 2.0 A,
CANopen 2.0 B, J1939



Codesys development environment

Codesys version
available for all Dynamic T
receiving units

AXT receiving unit



Analog receiver unit with a power supply of 8-30 VDC. It features a maximum of 8 voltage outputs, 20 PWM outputs (10 bi-directional axes), 20 digital outputs, 2 STOP outputs, 2 UMFS outputs, and 2 CAN outputs, along with 10 A/D inputs. The double CAN output can be used to simultaneously control the CANopen and J1939 protocols. Additionally, the AXT includes a 4-digit display for diagnostics. The standard antenna is internal, while an external antenna with a 1 m or 3 m extension is optional. Available with customized harnesses for direct connections to solenoid valves or with 32, 40, 50, and 72-pin plugs. It can also be used in Take&Release applications. The AXT receiver provides maximum flexibility through the CODESYS® development environment, the standard for programming according to IEC 61131-3.

AMT receiving unit



Analog receiver unit with a power supply of 8-30 VDC. It features a maximum of 12 voltage outputs, 24 PWM outputs (12 bi-directional axes), 48 digital outputs, 2 STOP outputs, 2 UMFS outputs, and 2 CAN outputs, along with 24 digital inputs and 8 analog inputs. The double CAN output can be used to simultaneously control the CANopen and J1939 protocols. Additionally, the AMT includes a 4-digit display for diagnostics. The standard antenna is external with a 1 m or 3 m extension. Available with customized harnesses for direct connections to solenoid valves or with 32, 40, 50, and 72-pin plugs. It can also be part of a Take&Release system. The AMT receiver provides maximum flexibility through the CODESYS® development environment, the standard for programming according to IEC 61131-3.

CRT receiving unit



Receiving unit with a power supply of 8-30 VDC. Customizable connecting interfaces with M12 circular connectors, 10-pin reduced plug or cable gland. It features a maximum of 12 analog and 64 digital outputs (via CANopen interface), 2 STOP outputs, 2 UMFS outputs, 4 programmable MOSFET outputs, and 2 CAN outputs. The double CAN output can be used to simultaneously control the CANopen and J1939 protocols. The CRT also includes a 4-digit display for diagnostics. The standard antenna is internal, while an external antenna with a 1 m or 3 m extension is optional. It can also be used in a Take&Release system. The CRT provides the highest flexibility through the CODESYS® development environment, the standard for programming according to IEC 61131-3.

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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