



20/32 WCT 0x1

CRANE STATION WITH TWO KEYPADS

FLEXIBLE WIRELESS COMMUNICATION IN INDUSTRIAL ENVIRONMENTS

The crane station is easy to operate, extremely robust and can be easily integrated into an already existing wireless network. It can also communicate with an INDUSTRONIC system.

The crane station consists of a wireless device and a crane operator station with a microphone, two keypads and a separate speaker. The noise-compensated electret microphone with electronic dynamic compression and the premium speaker ensure superior quality of voice transmission, even at high ambient noise levels.



- Robust crane station for stationary or mobile use in industrial environments
- Crane operator station with 20 or 32 configurable direct call keys
- Configuration of up to 16 communication channels, 1 channel is preset
- 2 external, freely configurable control inputs
- 2 configurable control outputs
- Control unit with wireless device available as VHF or UHF version
- Can be configured via INTRON-X Service Tool

OTHER FEATURES

Call storage configurable

Interface to INDUSTRONIC systems

One audible signal generator and two audible signal analyzers can be configured for each key

Key or control input can be configured with the function "repeat call/talk back"

1 separate audio output with control line for controlling an external amplifier

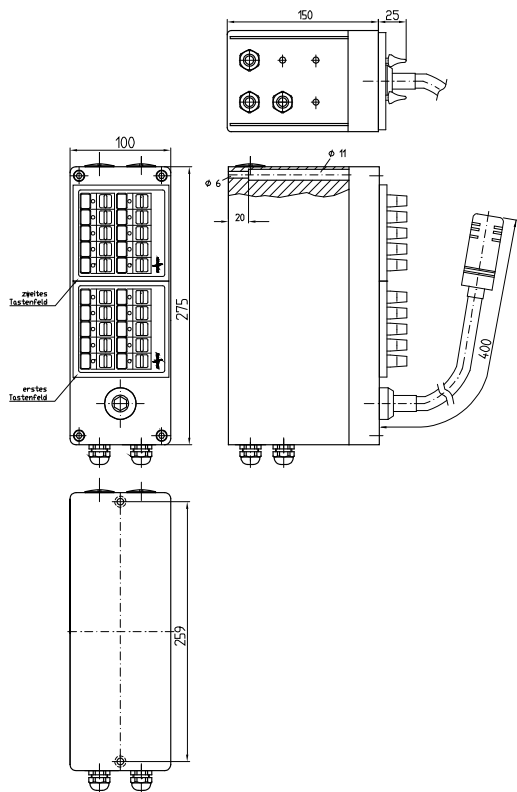


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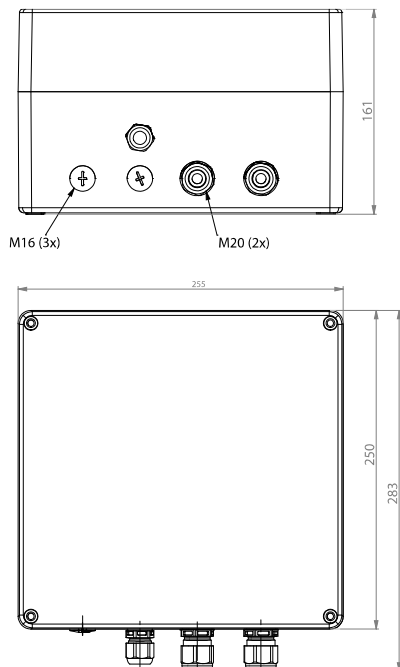
Subject to technical modifications - Doc. no. DAT-380-022-700 • V02 • EN • 04.11.2025

DIMENSIONS

CRANE OPERATION STATION



CONTROL UNIT



MECHANICAL DATA

Crane operator station

Width x height x depth	275 mm x 100 mm x 150 mm (10.83" x 3.94" x 5.91")
Housing material	Glass-fiber reinforced polyester
Weight	Approx. 3 kg (approx. 6.61 lbs)

Control unit

Width x height x depth	255 mm x 161 mm x 250 mm (10.04" x 6.34" x 9.84")
Housing material	Polyester
Weight	Approx. 7 kg (approx. 15.43 lbs)

Speaker

Diameter x depth	133 mm x 133 mm (5.24" x 5.24")
Housing material	Plastic
Weight	Approx. 0.40 kg (approx. 0.88 lbs)

ELECTRICAL DATA

General

Operating voltage	110 V AC / 230 V AC
Microphone	Noise-compensated electret microphone with electronic dynamic compression
Speaker	Max. 6 W / 8 Ohms
5-tone selective calling	ZVEI 1

Control Unit

Transmitting power	Adjustable 1 W to 25 W
Frequency range	VHF: 152 MHz to 168 MHz UHF: 406 MHz to 440 MHz
Channel spacing	12.5 kHz / 20 kHz / 25 kHz
Modulation limiting	+/- 2.5 kHz at 12.5 kHz +/- 4 kHz at 20 kHz +/- 5 kHz at 25 kHz
Receiver sensitivity	<0.3 μ V (12 dB SINAD)
Intermodulation (ETS)	>65 dB
Frequency stability	+/- 2.5 PPM
Antenna impedance	50 Ohms

Inputs	2 x for reading in potential-free contacts, e.g. a foot switch contact
Outputs	2 x for controlling external peripherals, e.g. for connecting a flashing warning beacon
Audio output	1 x with corresponding control line for controlling an external amplifier whose operational readiness is evaluated via an additional input

ENVIRONMENTAL REQUIREMENTS AND STANDARDS

Ambient temperature during operation	-30 °C to +60 °C (-4 °F to +131 °F)
Relative humidity (non-condensing)	Max. 90 %
Degree of protection	Crane operator station: IP40 Control unit: IP65
Standards	EN 300 086 EN 300 113 EN 300 219 EN 301 489-1 EN 301 489-5 EN 62368-1 EN 62311

TYPE OVERVIEW

Please note: Depending on the application, a wireless device for the 70 cm UHF range (DM1400/EU UHF) or the 2 m VHF range (DM1400/EU VHF) is selected. This crane station is used in private PMR networks. Prior to commissioning, a license for the use of frequencies must be acquired from the corresponding national authority.

Operating Voltage	Keys	Frequency Range	Description	Type	Type Number
110/230 V AC	20	406 MHz to 440 MHz	Wireless Crane Terminal U	20 WCT 001	380-022-700
		152 MHz to 168 MHz	Wireless Crane Terminal V	20 WCT 011	380-022-800
		-	Wireless Crane Terminal X	20 WCT 021	380-022-900
110/230 V AC	32	406 MHz to 440 MHz	Wireless Crane Terminal U	32 WCT 001	380-023-100
		152 MHz to 168 MHz	Wireless Crane Terminal V	32 WCT 011	380-023-200
		-	Wireless Crane Terminal X	32 WCT 021	380-023-300

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