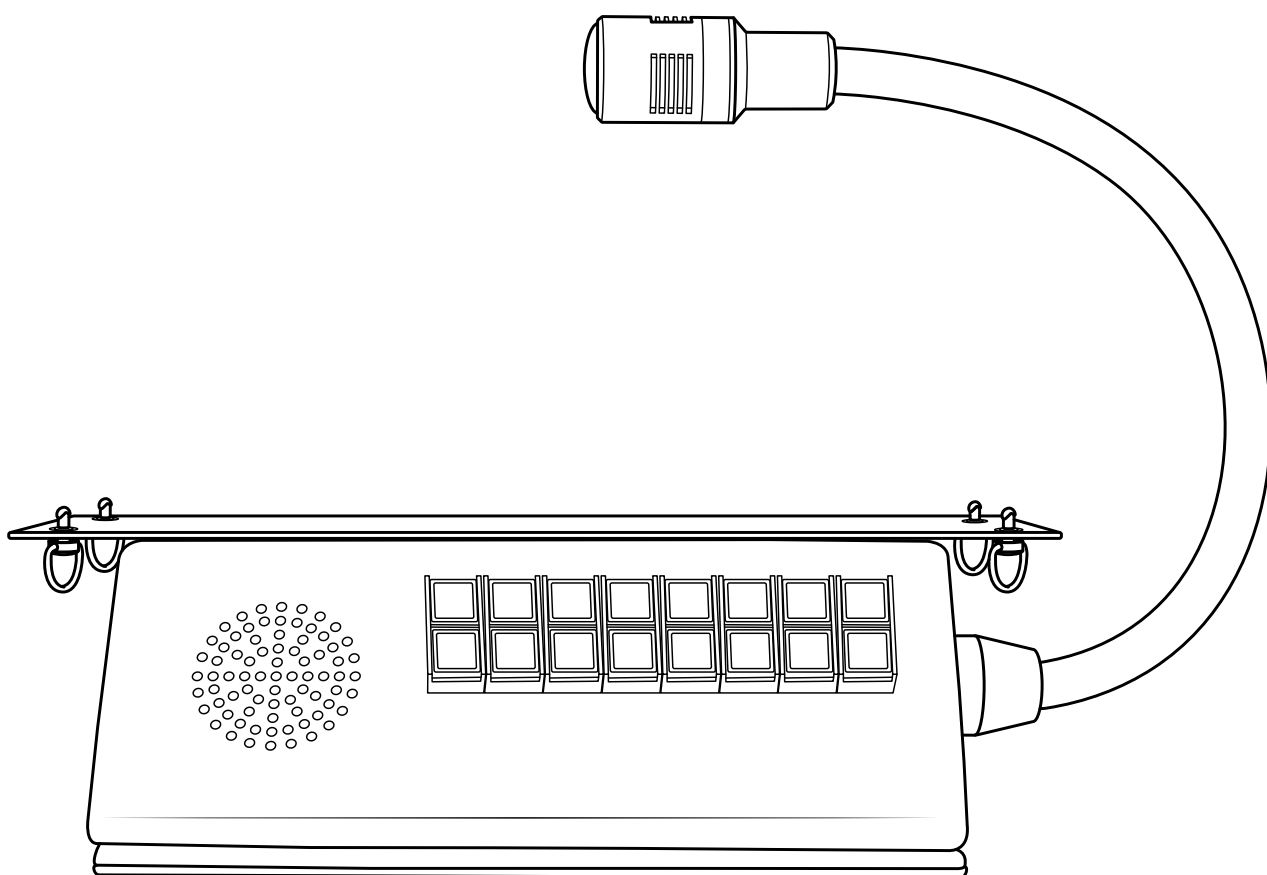
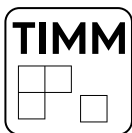
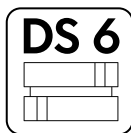


Quick overview

DS-6 Crane Call Station WLAN



1 156 3

DS-6 Crane Call Station
Edition 01-2020 / Seite 1
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Ver. 02.01.2021, 18:35:28

NEUMANN

Upgrade your existing communication system

DS-6 compatible

Allows direct voice communication with other terminals and phones

Radio connection function*

IEEE 802.11a/b/g/h/l and IEEE.11n

2.4 GHz and 5 GHz

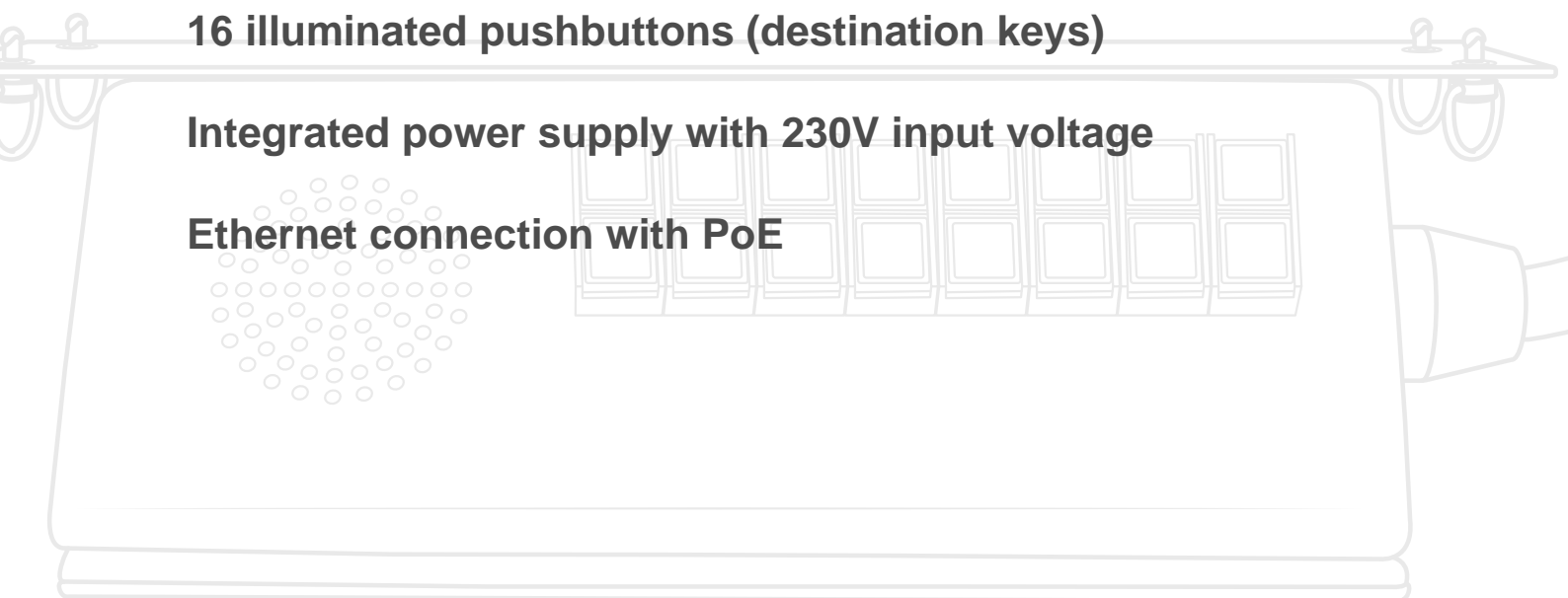
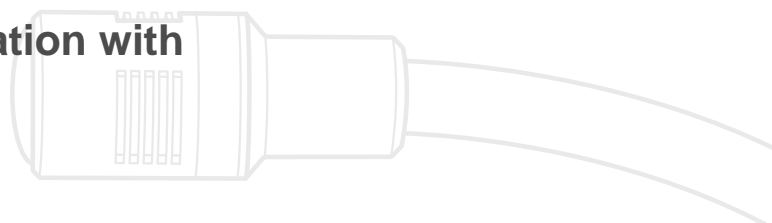
Integrated full range speaker 1W, 8Ω

Inclusive a mounting plate with quick access fasteners

16 illuminated pushbuttons (destination keys)

Integrated power supply with 230V input voltage

Ethernet connection with PoE



* additional WLAN equipment is required (external WLAN)

1 156 3

DS-6 Crane Call Station
Edition 01-2020 / Seite 2
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Ver. 02.01.2021, 18:35:28

NEUMANN

The DS-6 Crane Call Station with external WLAN can be used in conjunction with the DS-6 Decentralized Communication System.

It is connected with a DS-6 ground station as an access point by wireless LAN. The DS-6 Crane Call Station with external WLAN allows direct voice communication with other terminals. It can also be used for loudspeaker announcements and even for programmable local functions. The DS-6 Crane Call Station with external WLAN has 16 line keys.

It can be used with two standards IEEE 802.11a/b/g/h/l and IEEE.11n for the WLAN connection with two different frequency bands, 2.4 GHz and 5 GHz for each standard.

In addition to target keys for WL/EL, the DS-6 Crane Call Station with external WLAN has volume control and an optional speech memory.

For easier mounting at the seat of the crane operator the DS-6 Crane Call Station WLAN external will be delivered inclusive a mounting plate with quick access fasteners. The call station can also be used as a wall-mounted call station by moving the mounting plate to the backside.

Using the DS-6 Crane Call Station WLAN external a WLAN Access Client for mounting in the crane cabin is required. The WLAN Access Client and the additional antennas for mounting outside the crane cabin are not including the scope of delivery.

| | | |
|----------------------|------------|--|
| Physical data | Dimensions | 270mm x 194mm x 90mm (height x width x depth) (without gooseneck microphone and mounting plate) |
| | Weight | < 5kg |
| | Colour | Orange (RAL 2004 smooth finish) |

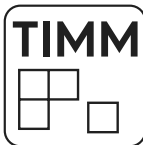
| | | |
|--------------------|---|--|
| Device data | Number of illuminated pushbuttons | 16 |
| | Transmission protocol | Neumann DS-6 Protokoll |
| | Network connection (IP hardware) | 100-BASE-T Autonegotiation Ethernet acc. to IEEE 802.3u (100M/bit/s) PoE acc. to IEEE 802.af |
| | Frequency range | 300Hz...12kHz |
| | Frequency band | 2,4 GHz and 5 GHz |
| | WLAN Standard | IEEE 802.11 a/b/g/h/i |
| | Operating range (depending on type of antenna, frequency range and data rate) | ≥ 100 m |
| | | |

| | | |
|---------------------|-------------------|------------------|
| Power supply | Operating voltage | 230 V AC / 50 Hz |
|---------------------|-------------------|------------------|

| | | |
|---------------------------|-----------------------------|-----------------------------|
| Environmental data | Permitted Temperature range | 0...+50C° |
| | Permitted Humidity | 0% ... 95% (non-condensing) |
| | Protection class | IP65 acc. to DIN EN 60529 |

Accessories

| | | |
|-----------------|--|--|
| 27 90 1050 960 | TIMM Config software incl. Dongle | |
| 5 067 8 | TIMM Speechbox Software | |
| 21 4 1143 001 7 | USB stick | |
| 91 9 1116 946 7 | Indoor WLAN Access Client / Point | Acc.to IEEE 802.11 a/b/g/h/n for mounting inside the crane cabin and/or for using as ground station with frequency band 2,4GHz and 5GHz. Protection class: IP30 |
| 91 9 1116 945 6 | Outdoor WLAN Access Client / Point | Acc.to IEEE 802.11 a/b/g/h/n for mounting inside the crane cabin and/or for using as ground station with frequency band 2,4GHz and 5GHz. Protection class: IP65/67 |
| 94 9 1412 102 3 | Power supply for WLAN Access Client/Point | DIN rail mounting (only indoor) |
| 94 9 1412 103 4 | Power supply for WLAN Access Client/Point | DIN rail mounting (for outdoor use a weatherproofed housing will be required) |
| 91 9 1150 019 6 | Omni directional antenna | For 5GHz band (outdoor) |
| 91 9 1150 018 5 | Omni directional antenna | For 2,4GHz band (outdoor) |
| 99 9 1980 263 6 | Antenna cable | 3 m |
| 91 9 1111 446 7 | LED Lamp | white |
| 92 9 1216 026 8 | Key cap | clear |
| 22 3 0101 156 1 | Mounting Crane Call Station | |
| | Power supply cable | With single-edge molded connector and threaded joint, IP67 |
| 99 9 1980 240 1 | | 2 m length |
| 99 9 1980 241 2 | | 5 m length |
| 99 9 1980 242 3 | | 10 m length |
| | Network cable | With molded connectors and single-edge M12 threaded joint, IP67 |
| 99 9 1980 245 6 | | 2 m length |
| 99 9 1980 246 7 | | 5 m length |
| 99 9 1980 247 8 | | 10 m length |
| 98 9 310 7041 2 | Quick access fastener locking ring | |
| 98 9 310 7042 3 | Quick access fastener bowtape handle | |
| 98 9 310 7040 1 | Quick access fastener shock absorber | |
| 92 9 1216 022 4 | Lamp remover | |
| 92 9 1215 051 5 | Lens remover | |



Control centre

Telephone

Evacuation

Fire alarm system

Public address system

Industrial control

Process control

emergency call

Intercom

Radio

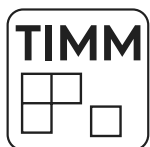
Video

Access control

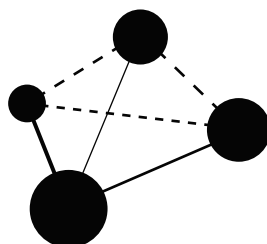
Personal radio

Emergency exit control

Building services engineering



TIMM ComServer



IP network

PACE

EN 54 -16

PACE

EN 54 -16

PACE

EN 54 -16

PACE

EN 54 -16

PACE

EN 54 -16

PACE

EN 54 -16

PACE

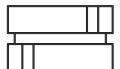
EN 54 -16

PACE

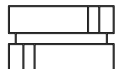
EN 54 -16

1-n

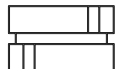
DS 6



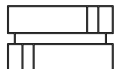
DS 6



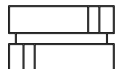
DS 6



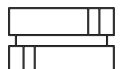
DS 6



DS 6



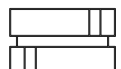
DS 6



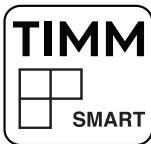
DS 6



DS 6



1-n



↓↑



↓↑



↓↑



↓↑



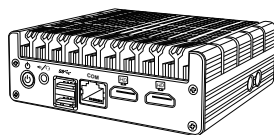
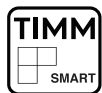
I/O Modul
NE 4 475 0

↓↑



CANopen

↓↑



NE 3 358 9
TIMM SMART



WEB Server



Config / state



SNMP / MIB

Com Server Application

Gateway Application

Speechbox* NE 5 067 8

SIP-Trunk* NE 5 065 6

Phone Server* NE 5 034 2

MODBUS / TCP-IP* NE 5 068 9

CANopen* NE 3 373 6



←
→
NIS

↓↑



U_{K0} II Adapter

NE 3 334 3

and / or



PA Control I

NE 3 342 2

and / or



PA Control II

NE 3 343 3

and / or



Analog adapter x8

NE 3 331 0

and / or



Plug-in unit
analog

NE 2 390 4

and / or



PACE EN 54-16

NE 3 344 4



PC Call station
„all-in-one“

NE 1 296 8



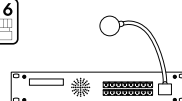
MTSD Call station

NE 1 045 0



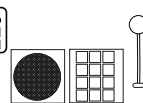
MTSD IP42
Call station

NE 1 0854



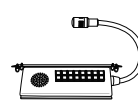
Intercom
call station
(rack-mounted)

NE 1 278 8
NE 1 279 9



Call station
(panel-mounted)

NE 1 28X X¹



Crane call station

NE 1 156 3



WFD IP
Call station

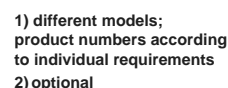
NE 1 5XX X¹



WFD IP Compact
call station

NE 1 87X X¹

¹⁾: various models; product numbers
depending on individual requirements.

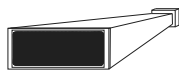




EN 54 - 16

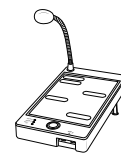
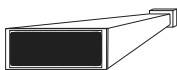
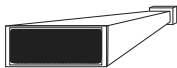
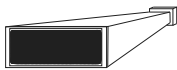
tunnel horn/ boundary horn speaker

NE 4 76X X



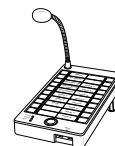
tunnel horn/ boundary horn speaker

NE 4 76X X



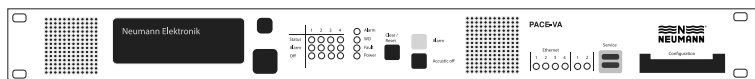
Desktop call station PACE-CSTP
DIN EN 54-16, Touch screen

NE 1 357 6



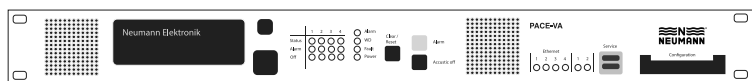
Desktop call station PACE-CS20
DIN EN 54-16, 20 Keys

NE 1 355 4

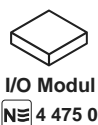


Voice alarm center unit
PACE-VA, EN54-16

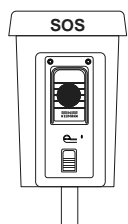
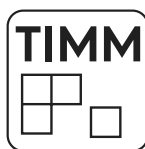
NE 3 344 4



1-n



I/O Modul
NE 4 475 0



Emergency call station
NE 1 0XX X¹⁾



1-n



MODBUS
TCP-IP



CANopen



Control center
(OMC)

1-n



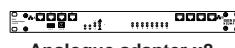
MTSD
Desktop call station
NE 1 045 0



PC call station
„all-in-one“
NE 1 296 8



I/O Modul
NE 4 475 0



Analogue adapter x8
NE 3 331 0

1-n

¹⁾ different models; product numbers according to individual requirements



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