

# Datasheet

**Built-in loudspeaker and expansion panel for  
integrating in Scantron doorstation Serie 410/510**

**DAT4825-EN**  
TCU<sup>3</sup>: 400-002-0005



TCU<sup>3</sup>

TCU <sup>3</sup>	
<b>Functions and features</b>	
Number of push buttons without expansion panel	Max. 16 (4 x 4 matrix)
Number of push buttons with expansion panels	Max. 208
Voice transmission	Duplex an hands-free communication (simplex if activated)
Communication time	56 s (adjustable)
Door standby time	56 s (adjustable)
Door release time at R-terminal	3 s (adjustable)
Acknowledgement tone	When pressing the bell button
Light switch function	At any free push button
Serial numbers per push button	2
<b>Commissioning and parameters</b>	
Error indication	Optical and acoustical
Plug-in memory	Changeable
Configuration options	Manually, with Service Device or Software Configo™
Manually adjustable parameters	Call destination or light switch function, volume voice output, choice and volume of acknowledgement tone
Parameters adjustable with Service Device	Call destination or light switch function, communication time, change AS-address, block
Parameters adjustable with Software Configo™	Call destination or light switch function, communication time, door standby time, door release time, change AS-address, block
Initial setup (connect doorstation button with indoor station)	With Service device or Manually
<b>Technical data</b>	
Signal transmission and power supply	Polarity-free and short-circuit protected 2-wire BUS
Wiring technique (number of wires)	3 (a, b, P)
Additional terminal	R (for extended function door release)
Power supply	24 V DC
Input current I(a)	I(a) = 0.1 mA
Input current I(P), standby	I(P) = 4.4 mA
Input current I(Pmax), max.	I(Pmax) = 140 mA
Mixed installation with audio and video in a system	Possible
Compatible with access control and Nova Software	Yes
Acceptable ambient temperature	-20 to + 50 °C



Expansion panel for TCU<sup>3</sup>

Housing	
Mounting	For built-in mounting in doorstation
Size	79 x 112 x 34 mm
Length of microphone cable	250 mm
Material	Plastic, black
Weight	140 g

Expansion panel for TCU <sup>3</sup>	
Functions and features	
Number of push buttons	Max. 32 (8 x 4 matrix)
Maximum number of expansion panels	6
Housing	
Mounting	For built-in mounting in doorstation next to TCU <sup>3</sup>
Size	56 x 88 x 30 mm
Length of TCU <sup>3</sup> connection cable	220 mm
Material	Plastic, black
Weight	55 g
Acceptable ambient temperature	-20 to + 50 °C