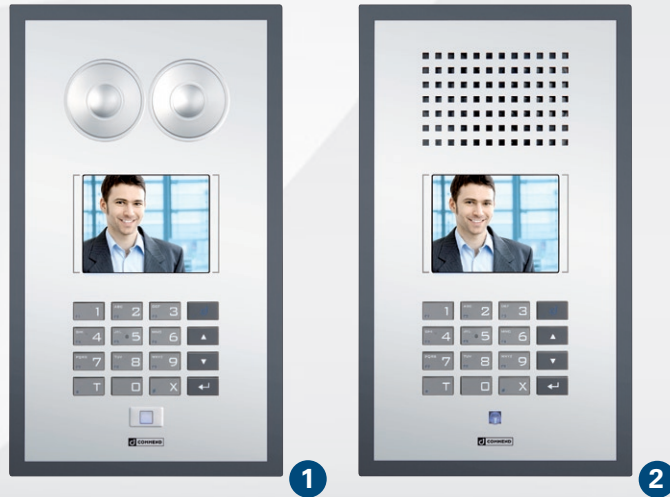


## Series WS 810 D



## Digital Wallmount Stations Series WS 810F/WS 810P

Multifunctional master stations with Colour-TFT display for internal and outdoor areas made in polycarbonate construction. Besides communication the stations can carry out control functions in other systems. The amplifier provides the necessary volume in areas with high ambient noise. The stations are protected against dust, dirt or water jets which may occur in industrial environments. The special foil on the front panel has a dirt-repellent effect and can be quickly and easily cleaned using normal cleaning agents and

disinfectants. Large foil-type buttons make operation with protective gloves easy.

### Typical applications:

Series WS 810F: Production areas, workshops, clean rooms, canteen kitchens, internal and outdoor areas.

Series WS 810P: Classrooms and social areas, stores, workshops, corridors, as outdoor Intercom station on works premises or parking areas.

### 1. WS 810F D

Digital station with 3.5" Colour-TFT display for graphical menu navigation and display of IP video streams or analogue video signals (PAL or NTSC), display resolution 320 x 240 pixels with 65,000 colours, back-lit alphanumeric standard keypad, function buttons, electret microphone with multifunction LED, loudspeakers 2x8Ω, 3 inputs for floating contacts and 2 relay outputs (connection as "make" or "break" contact), protection classification IP 65, polycarbonate construction, front panel with closed-sealed membrane surface.

### 2. WS 810P D

Digital station with 3.5" Colour-TFT display for graphical menu navigation and display of IP video streams or analogue video signals (PAL or NTSC), display resolution 320 x 240 pixels with 65,000 colours, back-lit alphanumeric standard keypad, function buttons, electret microphone with multifunction LED, loudspeakers 2x8Ω, 3 inputs for floating contacts and 2 relay outputs (connection as "make" or "break" contact), protection classification IP 65, polycarbonate construction.

# Technical Data – Benefits

## TECHNICAL DATA

IP classification:	IP 65
Front panel:	WS 810P D: Polycarbonate WS 810F D: Polycarbonate with closed-sealed membrane surface
Microphone:	Omnidirectional electret microphone for max. 7 m (23 ft) speaking distance
Loudspeaker:	Special membrane type for optimal sound quality, sound pressure: 85 dB/1 W/1 m (3.28 ft), 2 x 8 Ω
Amplifier:	integrated class “D” amplifier with 2.5 W
Input:	3 inputs for floating contacts (detection of 5 input states)
Output:	2 relay outputs (switch-over contacts) 30 V / 1 A
Line output:	for connection of loudspeaker module
Call indication:	multifunction LED (colours: red, green, blue)
Keypad:	alphanumeric full keypad, white backlight activation force: 3 N, 1 x 10 <sup>6</sup> cycles
Display:	3,5” Colour-TFT display, graphical menu navigation display of IP video streams (MJPEG) or analogue video signals (PAL or NTSC) 320 x 240 Pixel 65000 colours
Frequency range:	200 – 16000 Hz
Operating temperature range:	-20° C to 60° C (-4° F to 140° F)
Storage temperature range:	-20° C to 60° C (-4° F to 140° F)
Relative humidity:	up to 95% not condensing
Connection:	- pluggable screw terminals - expansion plug for e.g. WSAM 50P D ME IP video signal: shielded RJ 45 modular jacks Analogue video signal: BNC, 75 Ω
Power supply:	PoE or external supply 22–24 VAC or 15–35 VDC power consumption: max. 8.5 W
Cabling:	star feed, 2-wired, twisted
Signalling:	2B + D (2 x 64 kBit/s speech, 16 kBit/s data)
PoE (Power over Ethernet):	IEEE 802.3af standard Power consumption of the terminal device: Class 3 (6.49 W to 12.95 W)
Mounting:	flush mount kit WSFB 50P surface mount kit WSSH 50P
Measurements:	with flush mount kit: W 165 mm (6.5 in), H 280 mm (11 in), D 13 mm (0.51 in) with surface mount kit: W 165 mm (6.5 in), H 280 mm (11 in), D 51 mm (2 in)
Weight incl. package:	approx. 920 g (2 lbs)
Colour:	front panel: light-grey (like RAL 7035) front panel frame: graphite-grey (like RAL 7024)

## BENEFITS

- Polycarbonate construction
- 3,5” Colour-TFT display with integrated webinterface  
http://<IP address>
- Display of IP video streams (MJPEG), static graphics (JPEG) or analogue CVBS video signal
- Supported analogue video systems: PAL and NTSC
- Back-lit full keypad and function buttons
- IP 65 Protection classification
- Series WS 810F: Closed-sealed membrane surface, detergent and disinfectant resistant
- Supports DSP-Features such as OpenDuplex®, Audio Monitoring, Microphone-/Loudspeaker Surveillance, etc.

## LINE LENGTH

### USING IP VIDEO

The maximum line length of Cat. 5 cabling in a LAN is 100 m (328 ft) – e.g. from switch to Intercom station.

### CONNECTION DIGITAL STATION

The indicated line length is valid for standard stations without connected extension modules and power supply via PoE or external supply.

Cable type	
Ethernet cable e.g. Cat. 5 Loop resistance: 125 Ω/km Capacity: 44 nF/km (13.4 nf/1000 ft)	max. 2800 m/9186 ft
Telecommunication cable e.g. F-YAY; ø 0.6 mm; AWG: 22 Loop resistance: 133 Ω/km Capacity: 100 nF/km (30.5 nf/1000 ft)	max. 2800 m/9186 ft

## EXTENT OF SUPPLY

- Intercom Terminal
- Snap ferrite
- Short reference
- Operating instructions

## SYSTEM REQUIREMENTS

- GE 800 (min. PRO 800 1.1) with G8-GED (min. G3-8-SUB 3.2)
- GE 300 (min. PRO 800 1.1) with G3-GED (min. G3-8-SUB 3.2)
- Configuration software min. CCT 800 1.1
- Using IP video: Configuration software IPStationConfig (included in setup of CCT 800 1.1)



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