

## 15.

## VIDEO INTERCOM SETS

## MONITORS

## MK-10EX



- \* hands free monitor
- \* 7" color widescreen, touch screen 800x600
- \* on-screen display menu in Polish
- \* support for 2 door station and 2 CCTV cameras
- \* possibility to connect motion sensors to cameras
- \* control of the electro latch and automatic gate
- \* a smooth adjustable opening time of the bolt 1÷99 seconds
- \* photo/video recording function (4 GB micro SD card included)
- \* adjustment of the parameters of each of the cameras separately (brightness, color, contrast)
- \* ability to set 3 volume modes (depending on the time of day)

**Works with all F&F gate stations**

- \* 11 ringer melodies / a separate ringtone for each input
- \* preview with the option of starting a conversation and opening gate
- \* intercom function
- \* touch control panel
- \* 4-wire installation
- \* can be expanded by 3 additional monitors
- \* 14.5 V DC power supply
- \* power supply for DIN rail included
- \* material: brushed aluminum / glass / plastic
- \* dimensions: 226x151x23 mm

## MK-10FSD



- \* hands free monitor
- \* 7" color widescreen LCD / on-screen display menu in Polish
- \* support for 2 door station and 2 CCTV cameras (or 1 station + 3 CCTV cameras)
- \* ability to connect alarm sensors to cameras
- \* control of the electro latch
- \* photo/video recording function (4 GB micro SD card included)
- \* adjustment of the parameters of each of the cameras separately (brightness, color, contrast)
- \* ability to set 3 volume modes (depending on the time of day)

**Works with all F&F gate stations**

- \* 11 ringer melodies / a separate ringtone for each input
- \* preview with the option of starting a conversation and opening gate
- \* intercom function
- \* touch and backlit control panel
- \* 4-wire installation
- \* can be expanded by 3 additional monitors
- \* 14.5 V DC power supply
- \* power supply for DIN rail included
- \* material: brushed aluminum, glass
- \* dimensions: 245x165x20 mm

## MK-10K



- \* hands free monitor
- \* 4" color LCD/on-screen display menu
- \* touch and backlit control panel (white backlight)
- \* support for 2 door station and 2 CCTV cameras
- \* control of the bolt and automatic gate
- \* photo/video function (4 GB micro SD card included)
- \* possibility to connect motion sensors to cameras
- \* ability to set 3 volume modes (depending on the time of day)
- \* a smooth adjustable opening time of the bolt 1÷99 sec
- \* 11 ringer melodies / a separate ringtone for each input

**Works with all F&F gate stations**

- \* preview with the option of activating audio and opening the bolt
- \* adjustment of the parameters separately for each gate station and CCTV camera (brightness, color, contrast)
- \* 4-wire installation
- \* 14.5 V DC power supply
- \* power supply for DIN rail included
- \* material: glass / plastic
- \* can be expanded by 3 additional monitors
- \* dimensions: 117x168x20 mm

## MK-03G



- \* hands free monitor
- \* 7" color widescreen, TFT LCD touch screen 800x600, control panel (without backlight)
- \* support for 2 door station (or 1 station + 1 CCTV camera)
- \* control of the electro latch and automatic gate
- \* can be expanded by 3 additional monitors or uniphones
- \* intercom function with call forwarding
- \* monitor parameters adjustment (ringer volume, call volume, brightness, color)
- \* casing color: black

**Works with all F&F gate stations**

- \* preview with the option of starting a conversation and opening gate
- \* 14.5 V DC power supply
- \* power supply for DIN rail included
- \* 4-wire installation (2 wires for the bolt and 2 for the gate)
- \* dimensions: 241x161x23 mm

### KK-08



- Features:
- \* 2-subscribers gate station
  - \* image converter CCD color
  - \* lens angle of view: approx. 60°
  - \* resolution: 420 lines / lens 4.2 mm
  - \* lens adjustment: horizontal and vertical (+/- 10°)
  - \* backlight: 6 LED IR (infrared)
  - \* electromagnetic door lock control with adjustable opening time 1÷99 sec
  - \* backlit keypad and name signboard
  - \* vandal-resistant front panel made of stainless steel
  - \* flush mounting or surface mounting with cover
  - \* opening gateway door with a PIN
  - \* camera power supply: from monitor
  - \* keypad power supply from an DC 12÷15 V external power supply
  - \* output for additional bolt release button
  - \* output for a timer defining temporary access
  - \* dimensions: 120×250×51 mm
  - \* installation rack dimensions: 110×240×46 mm

Works with all F&F monitors

### KK-08K



- Features:
- \* 1-subscriber gate station
  - \* image converter CCD color
  - \* lens angle of view: approx. 60°
  - \* resolution: 420 lines / Lens 3.6 mm
  - \* lens adjustment: horizontal and vertical (+/- 10°)
  - \* backlight: 6 LED IR (infrared)
  - \* electromagnetic door lock control with adjustable opening time 1÷99 sec
  - \* backlit dial button and name signboard
  - \* vandal-resistant front panel made of stainless steel
  - \* flush mounting or surface mounting with cover
  - \* built-in fingerprint reader
  - \* reader capacity: max 900 fingerprints
  - \* camera power supply: from monitor
  - \* biometric reader power supply: from DC 12÷15 V power supply
  - \* output for additional bolt release button
  - \* remote control included (necessary for programming)
  - \* dimensions: 120×250×51 mm
  - \* installation rack dimensions: 110×240×46 mm

Works with all F&F monitors

### KK-09



- Features:
- \* 4-subscribers gate station
  - \* image converter 1/3" color
  - \* lens angle of view: approx. 87°
  - \* resolution: 600 lines
  - \* lens 3.6 mm
  - \* lens adjustment: horizontal and vertical (+/- 10°)
  - \* backlight: 6 LED IR (infrared)
  - \* backlit dial buttons and name signboards (highlight color - blue)
  - \* vandal-resistant front panel made of stainless steel
  - \* flush mounting or surface mounting with cover
  - \* ingress protection - IP65
  - \* powered from an external DC 12÷15 V power supply
  - \* dimensions: 120×250×51 mm
  - \* installation rack dimensions: 110×240×46 mm

Works with all F&F monitors

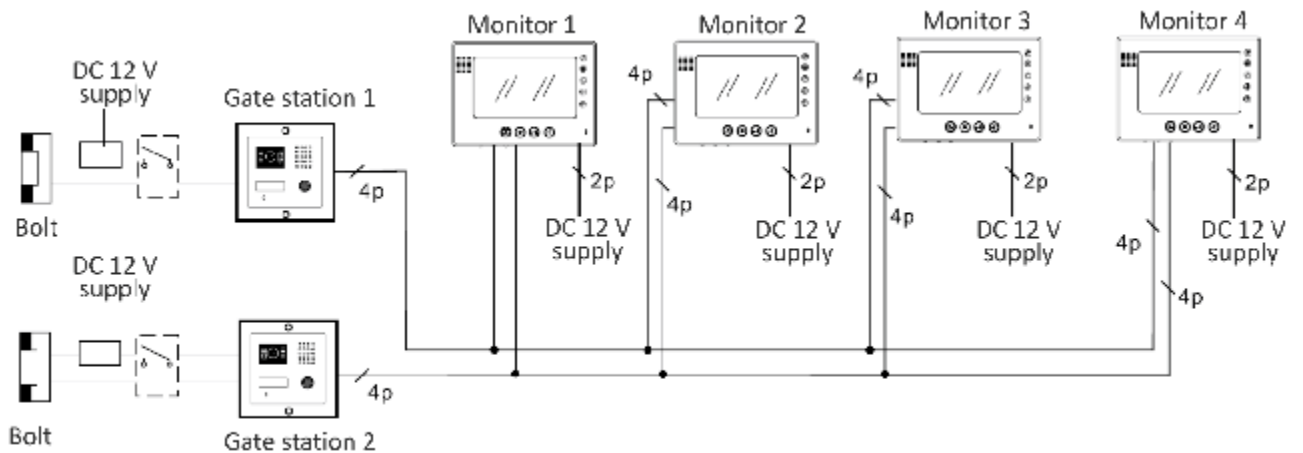
### KK-10



- Features:
- \* 4-subscribers gate station
  - \* image converter 1/3" color
  - \* lens angle of view: approx. 87°
  - \* resolution: 600 TVL
  - \* lens 3.6 mm
  - \* lens adjustment: horizontal and vertical (+/- 10°)
  - \* backlight: 8 LED IR (infrared)
  - \* backlit dial buttons and name signboards (highlight color - blue)
  - \* twilight sensor
  - \* vandal-resistant front panel made of stainless steel
  - \* flush mounting (there is no option for surface mounting)
  - \* electromagnetic door lock control with adjustable opening time 1÷99 sec
  - \* ingress protection - IP65
  - \* powered from an external DC 12÷15 V power supply
  - \* dimensions: 150×355×55 mm
  - \* installation rack dimensions: 130×335×50 mm

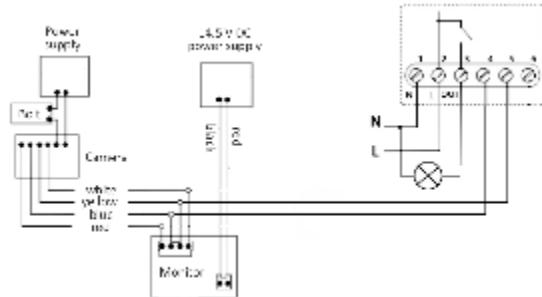
Works with all F&F monitors

### Example wiring diagram



## DSW-1 SIGNAL RELAY

The relay is designed for the F&F video intercoms. It activates an additional optical signaling (using light source) or sound signaling (using e.g. siren) at the time of the call from the gate station. At activation the contact switches every 1 sec. Duration can be adjusted in the range from 5 to 30 sec.



power supply	100÷265V AC
overload	2A
activation time - adjustable	5÷30sec
switching time on/off	1sec/1sec
power consumption standby/on	<0.2W/<0.6W
working temperature	-15÷50°C
terminal	2.5mm <sup>2</sup> screw terminals
dimensions	67×50×26mm
mounting	two screws to substrate
protection level	IP20

## CONNECTION SCHEME

