



- 3 LEDs Display
- 99 PIN Codes (4-8 Digits)
- 2 Programmable Relay Outputs
- Door Monitor Function
- Alarm Signal Output
- AC/DC 12-24V
- IP65

ELECTRICAL CHARACTERISTICS

Power Input	AC or DC 12V to 24V, from a regulated power supply
Maximum Input Current	85 mA at DC 12V
Standby Input Current	25 mA at DC 12V
Relay Output Loading	Max. 3 amps N.O. or N.C. (lock & aux. relays)
AL- Output Loading	Max. 500 mA at DC 12V

OPERATIONAL CHARACTERISTICS

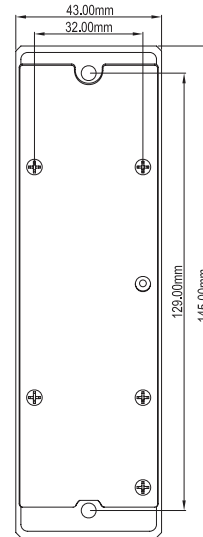
P.B. Input (REX)	N.O. (dry contact) for activating the lock relay
REED Input	N.C. (dry contact) for door monitoring
Pin-Codes	99 PIN codes (4-8 Digits)
LED Indication	3 LEDs: Power/ Program, Lock Out and Aux Out status

ENVIRONMENTAL CHARACTERISTICS

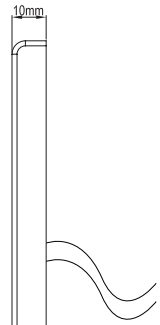
IP Rating	IP65
Operating Humidity	0% to 95% Non-condensing
Operating Temperature	- 20°C to 60°C

PHYSICAL CHARACTERISTICS

Dimensions	80 (W) x 120 (H) x 25 (D) mm
Weight (Approx.)	435g



Back



Side

- 2 LEDs Display
- 99 PIN Codes (4-8 Digits)
- Programmable Relay Output
- IP65

ELECTRICAL CHARACTERISTICS

Power Input	DC 12V, from a power supply
Maximum Input Current	60 mA at DC 12V
Standby Input Current	25 mA at DC 12V
Relay Output Loading	Max. 2 amps N.O. or N.C. (lock relays)
AL- Output Loading	-

OPERATIONAL CHARACTERISTICS

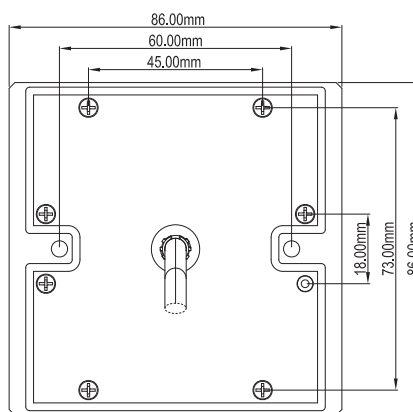
P.B. Input (REX)	N.O. (dry contact) for activating the lock relay
REED Input	-
Pin-Codes	99 PIN Codes (4-8 Digits)
LED Indication	2 LEDs: Power/ Program and Lock Out Status

ENVIRONMENTAL CHARACTERISTICS

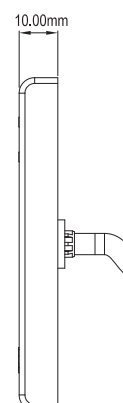
IP Rating	IP65
Operating Humidity	0% to 95% Non-condensing
Operating Temperature	- 20°C to 60°C

PHYSICAL CHARACTERISTICS

Dimensions	43 (W) x 145 (H) x 10 (D) mm
Weight (Approx.)	110g



Back



Side



- 2 LEDs Display
- 99 PIN Codes (4-8 Digits)
- 2 Programmable Relay Outputs
- Door Chime Button
- Tamper Output
- IP65

ELECTRICAL CHARACTERISTICS

Power Input	DC 12V, from a power supply
Maximum Input Current	60 mA at DC 12V
Standby Input Current	25 mA at DC 12V
Relay Output Loading	Max. 2 amps N.O. or N.C. (lock relays)
AL- Output Loading	Max. 500 mA at AC 12V

OPERATIONAL CHARACTERISTICS

P.B. Input (REX)	N.O. (dry contact) for activating the lock relay
Pin-Codes	99 PIN Codes (4-8 Digits)
LED Indication	2 LEDs: Power/ Program, Lock Out and Aux Out status

ENVIRONMENTAL CHARACTERISTICS

IP Rating	IP65
Operating Humidity	0% to 95% Non-condensing
Operating Temperature	- 20°C to 60°C

PHYSICAL CHARACTERISTICS

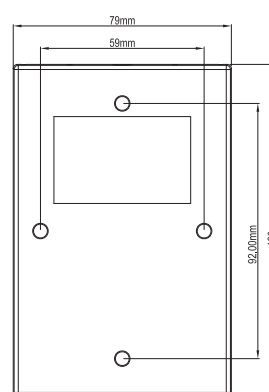
Dimensions	86 (W) x 86 (H) x 10 (D) mm
Weight (Approx.)	135g



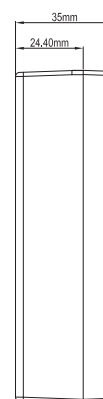
MKP-3010



MKP-3020



Back



Side

- 3 LEDs Display
- 99 PIN Codes (4-8 Digits)
- 2 Programmable Relay Outputs
- Door Monitor Function
- Door Chime Button (MKP-3020 only)
- Alarm Signal Output
- AC/DC 12-24V
- IP65

ELECTRICAL CHARACTERISTICS

Power Input	AC or DC 12V to 24V, from a regulated power supply
Maximum Input Current	200 mA at DC 12V
Standby Input Current	85 mA at DC 12V
Relay Output Loading	Max. 3 amps N.O. or N.C. (lock & aux. relays)

OPERATIONAL CHARACTERISTICS

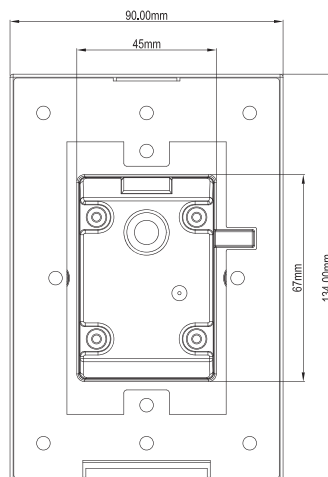
P.B. Input (REX)	N.O. (dry contact) for activating the lock relay
REED Input	N.C. (dry contact) for door monitoring
Pin-Codes	99 PIN Codes (4-8 Digits)
LED Indication	3 LEDs: Power/ Program, Lock Out and Aux Out status

ENVIRONMENTAL CHARACTERISTICS

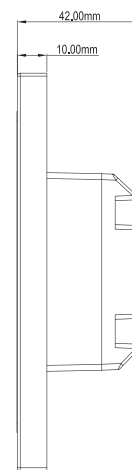
IP Rating	IP65
Operating Humidity	0% to 95% Non-condensing
Operating Temperature	- 20°C to 60°C

PHYSICAL CHARACTERISTICS

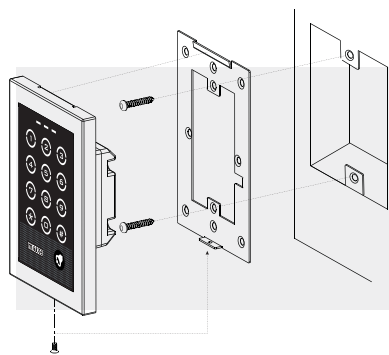
Dimensions	79 (W) x 120 (H) x 35 (D) mm
Weight (Approx.)	470g



Back



Side



- 3 LEDs Display
- 99 PIN Codes (4-8 Digits)
- 2 Programmable Relay Outputs
- Door Monitor Function
- Door Chime Button
- Alarm Signal Output
- AC /DC 12-24V
- IP65

ELECTRICAL CHARACTERISTICS

Power Input	AC or DC 12V to 24V, from a regulated power supply
Maximum Input Current	110 mA at DC 12V
Standby Input Current	75 mA at DC 12V
Relay Output Loading	Max. 3 amps N.O. or N.C. (lock & aux. relays)
AL- Output Loading	Max. 500 mA at DC 12V

OPERATIONAL CHARACTERISTICS

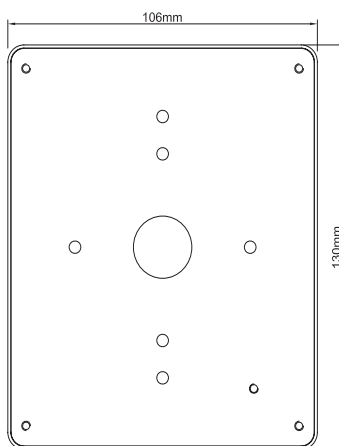
P.B. Input (REX)	N.O. (dry contact) for activating the lock relay
REED Input	N.C. (dry contact) for door monitoring
Pin-Codes	99 PIN Codes (4-8 Digits)
LED Indication	3 LEDs: Power/ Program, Lock Out and Aux Out status

ENVIRONMENTAL CHARACTERISTICS

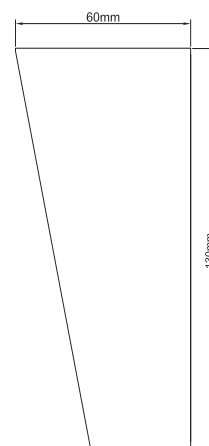
IP Rating	IP65
Operating Humidity	0% to 95% Non-condensing
Operating Temperature	- 20 °C to 60 °C

PHYSICAL CHARACTERISTICS

Dimensions	90 (W) x 134 (H) x 10-42 (D) mm
Weight (Approx.)	275g



Back



Side



- 3 LEDs Display
- 99 PIN Codes (4-8 Digits)
- Backlight Keys
- 2 Programmable Relay Outputs
- Door Monitor Function
- Alarm Signal Output
- AC/DC 12-24V
- IP54

ELECTRICAL CHARACTERISTICS

Power Input	AC or DC 12V to 24V, from a power supply
Maximum Input Current	160 mA at DC 12V
Standby Input Current	30 mA at DC 12V
Relay Output Loading	Max. 3 amps N.O. or N.C. (lock & aux. relays)
AL- Output Loading	Max. 500 mA at DC 12V

OPERATIONAL CHARACTERISTICS

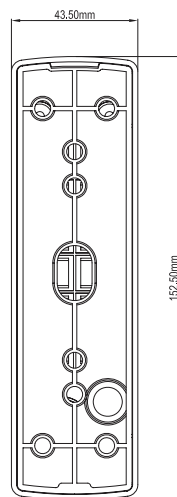
P.B. Input (REX)	N.O. (dry contact) for activating the lock relay
REED Input	N.C. (dry contact) for door monitoring
Pin-Codes	99 PIN Codes (4-8 Digits)
LED Indication	3 LEDs: Power/ Program, Lock Out and Aux Out status

ENVIRONMENTAL CHARACTERISTICS

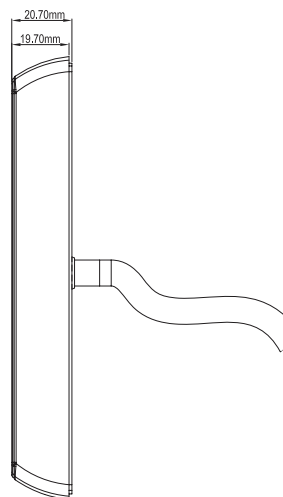
IP Rating	IP54
Operating Humidity	0% to 95% Non-condensing
Operating Temperature	- 20°C to 60°C

PHYSICAL CHARACTERISTICS

Dimensions	106 (W) x 130 (H) x 36 - 60 (D) mm
Weight (Approx.)	820g



Back



Side



- 3 LEDs Display
- 99 PIN Codes (4-8 Digits)
- Backlight Keys
- 2 Programmable Relay Outputs
- Door Monitor Function
- Alarm Signal Output
- AC/ DC 12-24V
- IP65

ELECTRICAL CHARACTERISTICS

Power Input	AC or DC 12V to 24V, from a power supply
Maximum Input Current	75 mA at DC 12V
Standby Input Current	35 mA at DC 12V
Relay Output Loading	Max. 3 amps N.O. or N.C. (lock & aux. relays)
AL- Output Loading	Max. 500 mA at DC 12V

OPERATIONAL CHARACTERISTICS

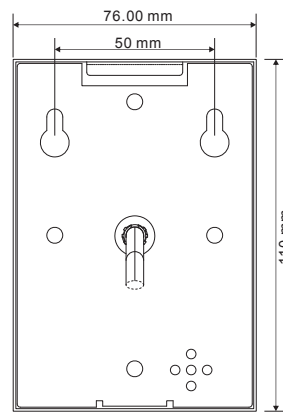
P.B. Input (REX)	N.O. (dry contact) for activating the lock relay
REED Input	N.C. (dry contact) for door monitoring
Pin-Codes	99 PIN codes (4-8 Digits)
LED Indication	3 LEDs: Power/ Program, Lock Out and Aux Out status

ENVIRONMENTAL CHARACTERISTICS

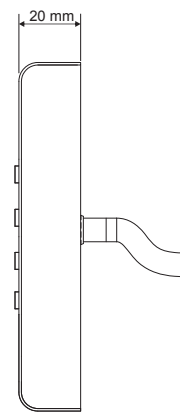
IP Rating	IP65
Operating Humidity	0% to 95% Non-condensing
Operating Temperature	- 20°C to 60°C

PHYSICAL CHARACTERISTICS

Dimensions	43.5 (W) x 152.5 (H) x 20.7 (D) mm
Weight (Approx.)	395g



Back



Side

- 3 LEDs Display
- 99 PIN Codes (4-8 Digits)
- Backlight Keys
- 2 Programmable Relay Outputs
- Door Monitor Function
- Alarm Signal Output
- AC/ DC 12-24V
- IP65

ELECTRICAL CHARACTERISTICS

Power Input	AC or DC 12V to 24V, from a regulated power supply
Maximum Input Current	75 mA at DC 12V
Standby Input Current	40 mA at DC 12V
Relay Output Loading	Max. 3 amps N.O. or N.C. (lock & aux. relays)
AL- Output Loading	Max. 500 mA at DC 12V

OPERATIONAL CHARACTERISTICS

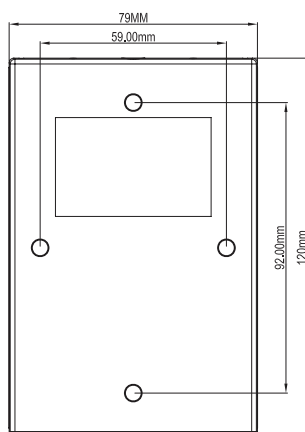
P.B. Input (REX)	N.O. (dry contact) for activating the lock relay
REED Input	N.C. (dry contact) for door monitoring
Pin-Codes	99 PIN codes (4-8 Digits)
LED Indication	3 LEDs: Power /Program, Lock Out and Aux Out status

ENVIRONMENTAL CHARACTERISTICS

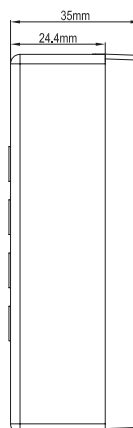
IP Rating	IP65
Operating Humidity	0% to 95% Non-condensing
Operating Temperature	- 20°C to 60°C

PHYSICAL CHARACTERISTICS

Dimensions	76 (W) x 110 (H) x 20 (D) mm
Weight (Approx.)	425g



Back



Side

- 3 LEDs Display
- 99 PIN Codes (4-8 Digits)
- Backlight Keys
- 2 Programmable Relay Outputs
- Door Monitor Function
- Alarm Signal Output
- AC/ DC12-24V
- IP65

ELECTRICAL CHARACTERISTICS

Power Input	AC or DC 12V to 24V, from a regulated power supply
Maximum Input Current	140 mA at DC 12V
Standby Input Current	45 mA at DC 12V
Relay Output Loading	Max. 3 amps N.O. or N.C. (lock & aux. relays)
AL- Output Loading	Max. 500 mA at DC 12V

OPERATIONAL CHARACTERISTICS

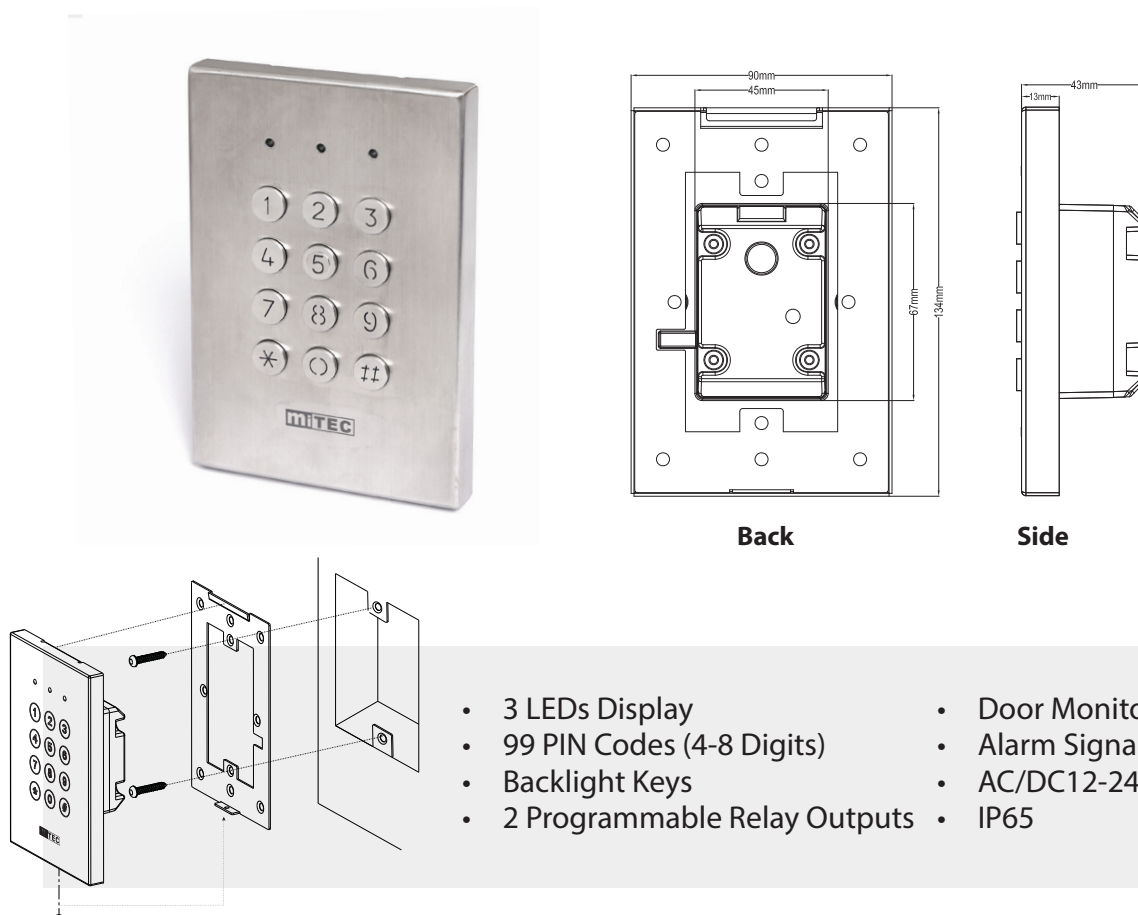
P.B. Input (REX)	N.O. (dry contact) for activating the lock relay
REED Input	N.C. (dry contact) for door monitoring
Pin-Codes	99 PIN codes (4-8 Digits)
LED Indication	3 LEDs: Power/ Program, Lock Out and Aux Out status

ENVIRONMENTAL CHARACTERISTICS

IP Rating	IP65
Operating Humidity	0% to 95% Non-condensing
Operating Temperature	- 20°C to 60°C

PHYSICAL CHARACTERISTICS

Dimensions	79 (W) x 120 (H) x 35 (D) mm
Weight (Approx.)	540g



- 3 LEDs Display
- 99 PIN Codes (4-8 Digits)
- Backlight Keys
- 2 Programmable Relay Outputs
- Door Monitor Function
- Alarm Signal Output
- AC/DC 12-24V
- IP65

ELECTRICAL CHARACTERISTICS

Power Input	AC or DC 12V to 24V, from a regulated power supply
Maximum Input Current	75 mA at DC 12V
Standby Input Current	40 mA at DC 12V
Relay Output Loading	Max. 3 amps N.O. or N.C. (lock & aux. relays)
AL- Output Loading	Max. 500 mA at DC 12 V

OPERATIONAL CHARACTERISTICS

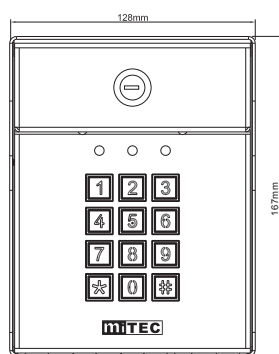
P.B. Input (REX)	N.O. (dry contact) for activating the lock relay
REED Input	N.C. (dry contact) for door monitoring
Pin-Codes	99 PIN codes (4-8 Digits)
LED Indication	3 LEDs: Power/ Program, Lock Out and Aux Out status

ENVIRONMENTAL CHARACTERISTICS

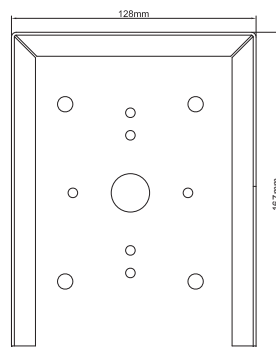
IP Rating	IP65
Operating Humidity	0% to 95% Non-condensing
Operating Temperature	- 20°C to 60°C

PHYSICAL CHARACTERISTICS

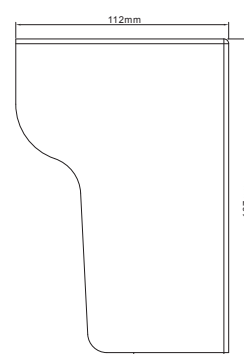
Dimensions	90 (W) x 134 (H) x 12 - 43 (D) mm
Weight (Approx.)	425g



Front



Back



Side



- 3 LEDs Display
- 99 PIN Codes (4-8 Digits)
- Backlight Keys
- 2 Programmable Relay Outputs
- Door Monitor Function
- Alarm Signal Output
- AC/DC12-24V
- IP54

ELECTRICAL CHARACTERISTICS

Power Input	AC or DC 12V to 24V, from a power supply
Maximum Input Current	160 mA at DC 12V
Standby Input Current	30 mA at DC 12V
Relay Output Loading	Max. 3 amps N.O. or N.C. (lock & aux. relays)
AL- Output Loading	Max. 500 mA at DC 12V

OPERATIONAL CHARACTERISTICS

P.B. Input (REX)	N.O. (dry contact) for activating the lock relay
REED Input	N.C. (dry contact) for door monitoring
Pin-Codes	99 PIN codes (4-8 Digits)
LED Indication	3 LEDs: Power/ Program, Lock Out and Aux Out status

ENVIRONMENTAL CHARACTERISTICS

IP Rating	IP54
Operating Humidity	0% to 95% Non-condensing
Operating Temperature	- 20°C to 60°C

PHYSICAL CHARACTERISTICS

Dimensions	128 (W) x 167 (H) x 112 (D) mm
Weight (Approx.)	1.6 kg

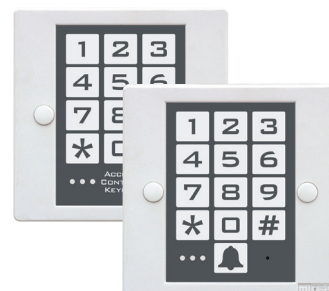
Anti-magnetic Digital Keypad

- Power Input: DC 12V
- Display & Audible Indication
- 99 PIN Codes (4~8 Digits)
- Programmable Lock Output (max 2A)
- P.B. for Door Release
- Surface Mount Plastic Housing



MKP-1311 / MKP-1321

- Door Bell Button (MKP - 1321 only)
- Dimensions : 115W x 120H x 22D mm



MKP-1211 / MKP-1221

- Door Bell Button (MKP - 1221 only)
- Dimensions : 86W x 86H x 20D mm

Multi-functional Digital Keypad

- Power Input: AC/ DC 12V
- LED Display & Audible Indication
- 99 PIN Codes (4~8 Digits)
- 2 Programmable Relay Output
- Door Monitoring Function
- Alarm Signal Output
- Surface Mount ABS Housing
- Dimensions : 115W x 120H x 22D mm



MKP-1310



MKP-2320

US Type Keypad

- Power Input: AC/ DC 12V
- LED Display & Audible Indication
- 99 PIN Codes (4~8 Digits)
- Lock Output : N.O. / N.C. (Max. DC 24V / 5A)
- Aux Output : N.O. only (Max. 300mA)
- Tamper Output
- Push Button for Door Release
- Flush/ Surface Mount
- Stainless Steel Panel with Plastic Box (for Surface Mount)
- Dimensions : 70W x 114H x 46D mm



MKP-1610