

Clocker



Applications:

- Access control and employee identification systems
- Industrial machinery access authorization
- Public facility monitoring (stadiums, exhibition halls)
- Wireless transaction systems (e.g. in diners)
- Logistical systems for storeroom management and tracking resources
- Employee work time recording



Characteristics:

- NFC-equipped smartphones can be utilized as access tokens.
- 4x20 characters LCD display - enables customization by displaying various messages or applied RFID tag data.
- CL-20 model equipped with buttons allowing the worker to declare the reason for entry or exit (private/official), making work time accounting easier.
- CL-30 model equipped with a numeric keypad emulating the ID of an RFID card and allowing for entry/exit declaration.
- Control over two relay outputs and monitoring two digital inputs.
- Built-in Lua script interpreter for advanced users.
- Ethernet and Wi-Fi (option) communication.
- Siemens S7 and Mitsubishi FX/Q PLC integration (option).
- HTTP(S), MQTT(S), Modbus TCP, Modbus RTU, SNMP communication protocols support.

Technical characteristics

Power supply	PoE: 33-57V IEEE 802.3af	10-24V DC, 3,5mm screw terminal		
Power consumption	Max. 2,5W			
Transponders	Unique EM4100, EM4102	ICODE® (ISO15693)	iClass Seos®	HITAG 1/2/S
	Mifare® (Classic, Plus, DESFire)			HID Prox
Memory	5000 tags, 30 000 events			
Inputs	Amount of digital inputs: 2		Input type: NO (Normally Open)	
Outputs	Amount of outputs: 2	Output type: NO, relay		Maximum relay load: 1A @ 30V DC
Communication	Ethernet 10/100Mbps, RJ45 port	Wi-Fi (option)		RS485 port (Modbus RTU)
Enclosure	IP rating: IP30	Dimensions: 155,7 x 150,6 x 35,8mm		
Operating temperature	From -10°C To +55°C			

Version	RFID standard					Wi-Fi	Function buttons	Keypad	Catalogue number
	Unique	HITAG 1/2/S	Mifare®	ICODE	iClass				
Clocker CL-10 LF	✓	✓							CL-0001-0003-00
Clocker CL-10 LF Wi-Fi	✓	✓				✓			CL-0001-0007-00
Clocker CL-10 HF			✓	✓	CSN only				CL-0002-0003-00
Clocker CL-10 HF Wi-Fi			✓	✓	CSN only	✓			CL-0002-0007-00
Clocker CL-10 HF iClass SEOS/Mifare/ICODE			✓	✓	✓				CL-0080-0003-00
Clocker CL-10 HF iClass SEOS/Mifare/ICODE Wi-Fi			✓	✓	✓	✓			CL-0080-0007-00
Clocker CL-20 LF	✓	✓					✓		CL-0001-0043-00
Clocker CL-20 LF Wi-Fi	✓	✓				✓	✓		CL-0001-0047-00
Clocker CL-20 HF			✓	✓	CSN only		✓		CL-0002-0043-00
Clocker CL-20 HF Wi-Fi			✓	✓	CSN only	✓	✓		CL-0002-0047-00
Clocker CL-20 HF iClass SEOS/Mifare/ICODE			✓	✓	✓		✓		CL-0080-0043-00
Clocker CL-20 HF iClass SEOS/Mifare/ICODE Wi-Fi			✓	✓	✓	✓	✓		CL-0080-0047-00
Clocker CL-30 LF	✓	✓						✓	CL-0001-0083-00
Clocker CL-30 LF Wi-Fi	✓	✓				✓		✓	CL-0001-0087-00
Clocker CL-30 HF			✓	✓	CSN only			✓	CL-0002-0083-00
Clocker CL-30 HF Wi-Fi			✓	✓	CSN only	✓		✓	CL-0002-0087-00
Clocker CL-30 HF iClass SEOS/Mifare/ICODE			✓	✓	✓			✓	CL-0080-0083-00
Clocker CL-30 HF iClass SEOS/Mifare/ICODE Wi-Fi			✓	✓	✓	✓		✓	CL-0080-0087-00