

Code: EVR-8

TIME & ATTENDANCE RECORDER **EVR-8**

Net: **58.64 EUR** Gross: **72.13 EUR**

The EVR-8 T&A Recorder enables events handling and recording from two RFID readers (with or without a keypad) in Wiegand standard. Communication between the device and the computer is done using RS-485.

The software included with the device allows for convenient management of a system consisting of up to 8 devices. The program allows to register devices, enter into the system and edit users, assign specific users access to individual rooms and view data collected by devices together with statistics calculated on the basis of these data.

As part of the statistics, it is possible to individually define for each employee the working days and the typical start and end time of the working day, taking into account the admissible times: early coming, late coming, early leaving, and later leaving. Based on these data and events registered for a given user, the program calculates working time, time spent on the facility, break time (time spent outside the facility during working hours). In addition, the EVR-8 software allows displaying the average working time of a given user in a weekly, monthly cycle and average working time on particular days of the week.

The device makes a local record of the events on the SD/SDHC card.

The KINGSTON 8GB memory card included in the kit.

Note! The SD card must be formatted in FAT32.



SPECIFICATION

Number of supported readers:	2 pcs
Relay output:	1 pcs NO/NC
Relay contacts load:	<ul style="list-style-type: none">• max. 30 V DC / 50 V AC,• max. 10 A
Power supply:	12 V DC
Current consumption:	≤ 55 mA (max) - (without connected readers)
Distance between reader and recorder:	max. 150 m
Main features:	<ul style="list-style-type: none">• The ability to build a system of up to 8 devices of the EVR-8• The included EVR-8 software allows to collect data from up to 8 devices and enables a thorough analysis of these data, as well as statistics based on them• Connecting to the EVR-8 maximal two readers with or without a keypad (Wiegand standard)• Possibility to connect a door release button instead of one of the readers• Events saving to the SD card - FAT32• Its own clock with battery backup• Relay to control for example: electric strike or electromagnetic lock• The connection to the computer is via the RS-485 port
Weight:	0.09 kg
Dimensions:	103 x 56 x 30 mm
Guarantee:	3 years
Manufacturer / Brand:	DELTA

PRESENTATION

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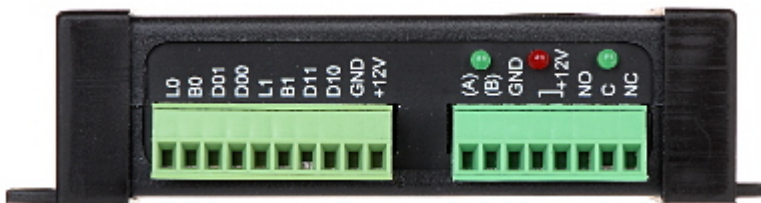
Front panel:



Rear panel:



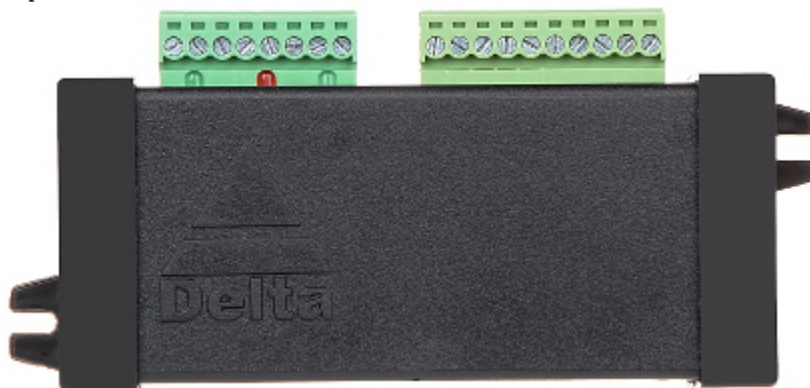
Device connectors:



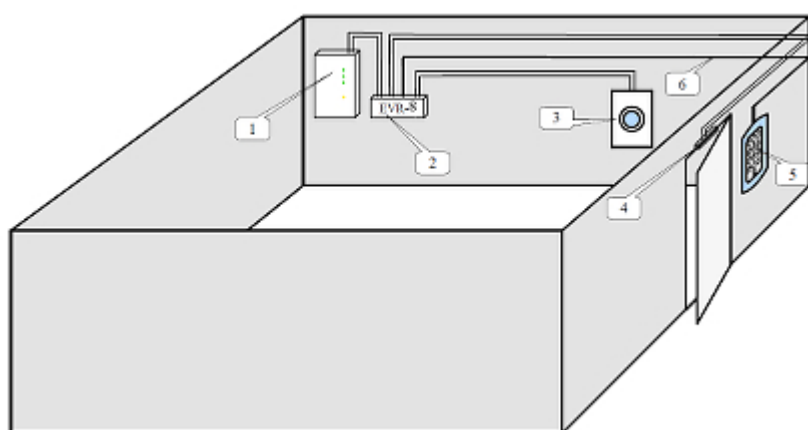
- L0 - Channel 0 diode control
- B0 - Channel 0 buzzer control
- D01 - Input D1 of the port 0
- D00 - Input D0 of the port 0 (door release button input)
- L1 - Channel 1 diode control
- B1 - Channel 1 buzzer control
- D11 - Input D1 of the port 1
- D10 - Input D0 of the port 1
- GND - Power ground of the readers
- +12V Power output of the readers
- (A) - RS-485
- (B) - RS-485
- GND - Power input
- 2x 12 Power input
- NO - NO relay output
- C - C relay output
- NC - NC relay output



Top view:



Typical operation diagram:



- 1) Power adapter
- 2) EVR-8
- 3) Door release button (connect between D00 input and ground (GND))
- 4) Electromagnetic Lock
- 5) Reader with keypad
- 6) Six-wire cable (e.g.: YTDY-6)



- Blue - USB
- Orange - RS-485
- Green - Wiegand
- Yellow - 2-wire connection of the door opening button
- 1. Computer
- 2. USB to RS-485 interface converter
- 3. Reader with keypad
- 4. Reader without keypad
- 5. Door release button (connect between D00 input and ground (GND))
- 6. EVR-8

Example captures of device interface:

Data	Przejście	Karty	Wzrost	Skrytka
24.03.2018	07:41:07	01:32:01		Szyfrowe RFID-1
25.03.2018	08:47:31	01:32:01		Szyfrowe RFID-1
25.03.2018	09:32:41	01:32:01		Szyfrowe RFID-1
27.03.2018	07:51:47	01:42:32		Szyfrowe RFID-1
28.03.2018	07:51:41	01:42:31		Szyfrowe RFID-1
29.03.2018	07:52:10	01:38:51		Szyfrowe RFID-1
29.03.2018	07:52:10	01:38:49		Szyfrowe RFID-1
29.03.2018	08:03:00	01:31:01		Szyfrowe RFID-1
27.03.2018	08:07:20	01:42:32		Szyfrowe RFID-1
28.03.2018	08:03:11	01:31:01		Szyfrowe RFID-1
28.03.2018	08:03:02	01:31:01		Szyfrowe RFID-1
29.03.2018	08:07:41	01:44:31		Szyfrowe RFID-1
22.03.2018	08:07:31	01:38:41		Szyfrowe RFID-1
21.03.2018	07:51:11	01:42:31		Szyfrowe RFID-1
20.03.2018	07:51:42	01:42:31		Szyfrowe RFID-1



The screenshot displays a table with the following columns: 'Data' (Date), 'Programowanie' (Programming), 'Przewidywany' (Forecasted), and 'Błędna' (Incorrect). The table contains data for each day from January 1st to January 31st, 2018. The 'Przewidywany' column shows values ranging from 00:00:00 to 02:00:00. The 'Błędna' column shows values ranging from -00:00:00 to -02:00:00.

Data	Programowanie	Przewidywany	Błędna
2018-01-01	21:12:37	00:00:00	-01:20:00
2018-01-02	19:05:02	00:00:00	-01:04:30
2018-01-03	19:45:26	00:00:00	-03:01:11
2018-01-04	19:35:24	00:00:00	-04:07:30
2018-01-05	19:30:34	00:00:00	-01:36:26
2018-01-06	17:41:21	00:00:00	-02:40:30
2018-01-07	17:42:19	00:00:00	-04:07:41
2018-01-08	16:37:58	00:00:00	-00:40:11
2018-01-09	17:10:25	00:00:00	-01:01:30
2018-01-10	16:47:08	00:00:00	-02:46:02
2018-01-11	17:17:00	00:00:00	-01:01:57
2018-01-12	17:22:10	00:00:00	-04:28:47
2018-01-13	17:00:00	00:00:00	-06:11:30

In the kit:

