



Access Unit Wireless – Bauform Box

Das Modul 3000-U98x-0x ist Bestandteil des AGENT E Funksystems. Es dient zum Öffnen von Funkgriffen der Baureihe AGENT E Wireless 3000-U9xx-xx in Verbindung mit der Control Unit 3000-U141-02. Pro Modul können bis zu 1200 Funkgriffe verwaltet werden. An der rückseitigen RS485 Schnittstelle lassen sich bis zu 15 weitere Module gleichen Typs anschließen. Dadurch erhöht sich die maximale Anzahl der Griffe nicht, aber die Reichweite der Funksignale wird verbessert.

Technische Änderungen vorbehalten.



Access Unit Wireless – Box Style

The 3000-U98x-0x module is part of the AGENT E radio system. It is used to open electronic radio locks type AGENT E Wireless 3000-U9xx-xx when connected to the Control Unit 3000-U141-02. The module can manage up to 1200 locks. On the rear RS485 interface up to 15 additional Access Units Wireless can be connected. This does not extend the max. number of manageable locks but enhances the reaching distance.

Subject to technical changes.



Fig. 1: 3000-U98x-02 front side

Power supply:	10 ... 26 V DC, 200 mA
LED CAN:	flashing when active, otherwise ON
LED STC:	normally OFF, flashing when module status changes
CAN-In / CAN-Out:	CAN bus ports
Box dimensions:	135 x 32 x 100 mm (W x H X D)

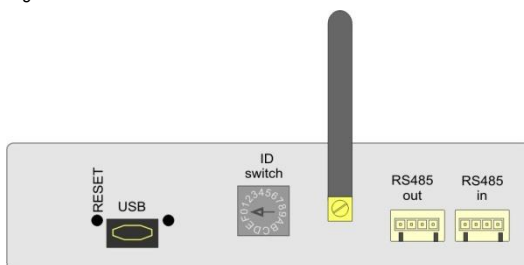


Fig. 2: 3000-U98x-02 rear side

USB connector:	used for factory service only
ID switch:	module address ("0" for Master Unit, "1", "2", ... for additional Slave Units connected)
Antenna:	use low force to screw tight
RS485 connectors:	always connect "RS485 out" from previous unit to "RS485 in" of next unit.

"Master Unit" / "Slave Unit"

In an AGENT E radio system, the first Access Unit Wireless is connected to the Control Unit using the CAN bus ports. This is the "Master Unit", ID switch must be set to "0". "Slave Units" are daisy chained via RS485 interface on the rear. ID switch setting is "1" for the first unit after the "Master Unit", "2" for the next one and so on.

CAN bus wiring

Control Unit 3000-U141-02 and "Master Unit" of Access Unit Wireless are linked together by RJ45 patch cables. Connectors are located on the front side of the module. Connect CAN-Out of a module to CAN-In of the next module. Open CAN-In / CAN-Out sockets must be equipped with a terminating plug for proper operation. Terminating plugs are supplied with the control unit 3000-U141-02; ref. to Fig. 3.

RS485 wiring

Use twisted pair, 4-wire cable, 2 x 2 x 0,5 mm² to link the Access Units Wireless. Wire connection is straight through. Use one twisted pair for the outer, the other for the inner two connectors of the terminal. Cabling is always from "RS485-out" port of the current to "RS485-in" port of the next device. Never close the loop from last to first device! Open RS485 ports must be terminated with a 120 Ω resistor (2 pcs. included) connected to the two center terminal connectors of the 4-pin connector; ref. to Fig. 3.

Power supply

A 10 ... 26 VDC power supply unit (e.g. 3003-03-02) is required for every third Access Unit Wireless. From this, power can be fed to other Access Units Wireless via RS485 bus cable. Check that the total current requirements do not exceed the rating of the power supply unit. Note on 3rd party power supplies: center connector negative!!!

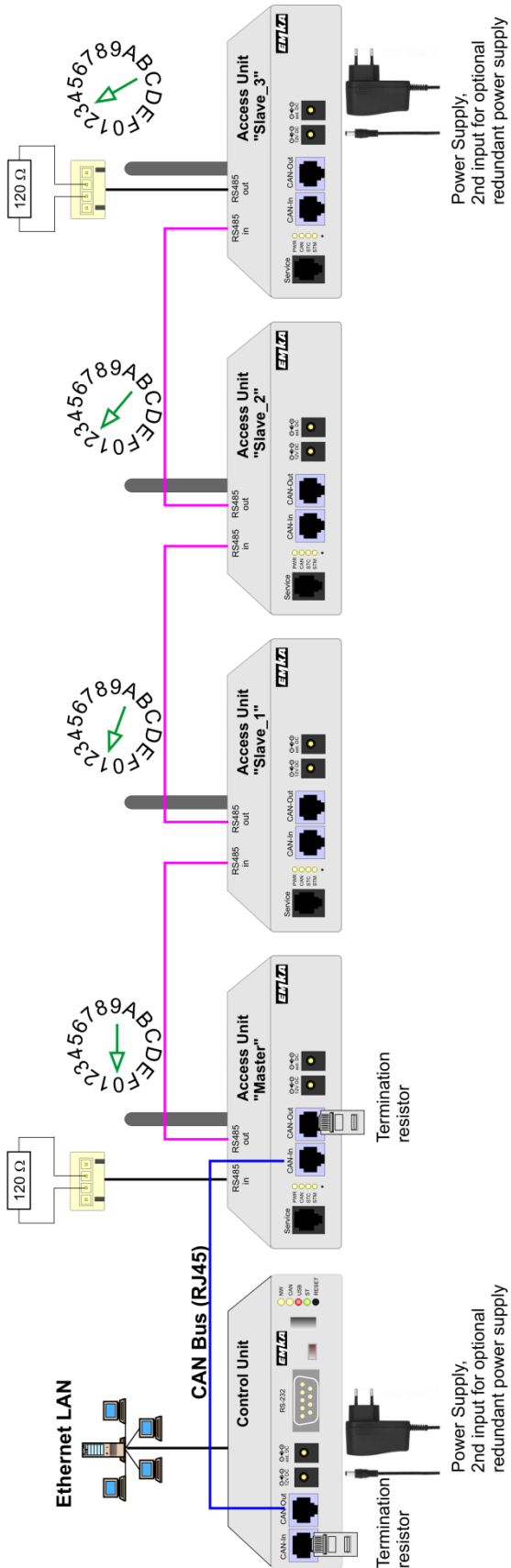


Fig. 3: Wiring example