

DBC604 Detector Bus Controller

Intruder alarm functions can be integrated cost-effectively to Esmikko access control system using DBC604 Detector bus controllers. They are connected to AX600 access panel or approved IX600 intruder alarm panel using the same RS-485 bus cabling as the other access control field devices.

DBC604 has one detector bus for max. 30 normal detectors equipped with AUI address units. DBC604 detector bus is compatible with Eskey intruder alarm detector bus. So installed systems can be upgraded easily.

Detector bus controller DBU604

- Housing: 155 x 195 x 40mm (W x H x D)
- Material: ABS plastics
- Color: Esmi white
- Controller consists of connection board and control board, special double plastic bottom and cover.
- Door controllers, I/O controllers and DBC detector bus controllers use common plastic housing and common CT610 connection board.

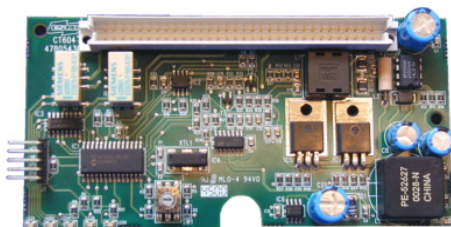
Installation

Controllers can be installed

- On straight wall or into the sheltered space above corridors
- Onto wall near doors
- Over a sunk installation box

For cable inlets there are special plastic gaskets on bottom and on top of housing with 18 inlets. Cables are easy to take through the inlet via plastic breaking. It forms a tight protection around the cable.

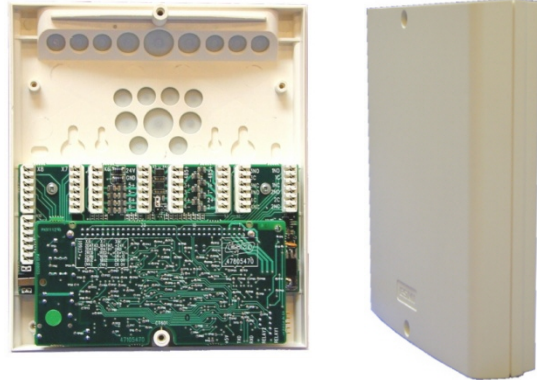
Controller is always installed to safe side and detectors taking into account the maximum allowed length for bus cables.



CT604 controller

Technical information

Controller has electrical protection for short-circuits. Cables are connected to Krone type link connectors on CT610 connection board using a special tool. There is no need to peel cables. With the same tool wires can be removed and reconnected.



Software and parameters are stored to Flash memory of controller; you do not need to change memory circuits.

Allowed bus length depends on detectors and cable size. Maximum bus length is 400 meters. DBC604 controller reserves two hex addresses of RS-485 bus, if detector numbers from 1 to 30 are used.

Connections

- Addressable RS-485 bus
- Input voltage 24VDC
- Output voltage for detectors 12VDC/500mA
- Addressable detectors bus for 30 address circuits

Signal leds

Signal leds help to start up and maintain the controller. Indication for:

- Data transmission
- Data receive
- Function of detector bus
- Input voltage

Switches and jumpers

- Select bus address (Hex rotary switch)
- Blocking input voltage for CT604 board
- By-passing of tamper switch
- End-of-line resistor of bus

Further information

- Esmikko access control system
- Planning guide, O1685GB,
- AX Installation guide O1665GB
- IX guide O1658GB.

Esmi production codes

- FFS08801604 Detector bus controller
- FFS00341000 AUI address units 01...10
- FFS00342000 AUI address units 11...20
- FFS00343000 AUI address units 21...30