# Product Overview FSC-UFC24-NM-6

Fire & Smoke Control

**Universal Module (24 V) to monitor up to 6 non-motorized fire dampers (end limit switches). 6 digital inputs and 2 digital outputs. It is the perfect solution for bus (Modbus and BACnet) integration into a superior system or in combination with the M30, M240 controllers of SMT.**

- **New flexibility:** Universal System Link between non-motorized fire dampers and any Modbus or BACnet system or the systems from SMT. One bus address enables individual monitoring of the 6 end limit switches
- **Price attractive:** With the UFC24-NM-6, there is no need for complex wiring of each end limit switch into the control cabinet! Up to 6 end limit switches can be monitored with one device
- **Easy installation:** The UFC24-NM-6 is delivered in a ready-to-install housing. It can therefore be installed locally near the fire dampers. Thanks to the innovative mounting bracket, the UFC24-NM-6 can simply be snapped onto the bracket at any time during the project (in the factory, on site)
- **Simplified maintenance and visualization:** In connection with the M30 and M240 controllers from SMT, the status of all connected, non-motorized fire dampers can be seen at a glance. In addition, each end limit switch can be checked individually via the M30 / M240 controller! The logging and documentation of the positions / states of the inputs is available as standard. The log file can be sent via email (free cloud access)
- **Additional features as standard:** Automatic baud rate detection (with BACnet)
- **Easy selection of the bus protocols:** BACnet and Modbus (selectable via dip switch)

**Technical Data**

| | |
|---|---|
| Nominal Voltage | 24 V AC / DC |
| Nominal Voltage Range | -20%... + 20% |
| Dimensioning | 2 VA |
| Power Consumption | 2 W |
| Connections | 6 quick connections for digital inputs |
| | 2 quick connections for digital ouput |
| Communication | Modbus RTU (RS-485) or BACnet MS/TP (RS-485) |
| Protection Degree | IP42, housing of non-flammable polycarbonate |
| Certified | TÜV, CE |

For more details see Technical Data Sheet

**Application**

The FSC-UFC24-NM-6 is used to monitor up to 6 non-motorized fire dampers and to activate up to 2 outputs (e.g. alarm signals, fire doors). It provides Modbus or BACnet connection, is available in an easy to install housing and mounted at or close to the dampers. With the FSC-UFC24- NM-6 the wiring of each end limit switch to the cabinet is no longer necessary!

The control modes Modbus or BACnet can be chosen through the dip switch terminal.

**Input Modules**

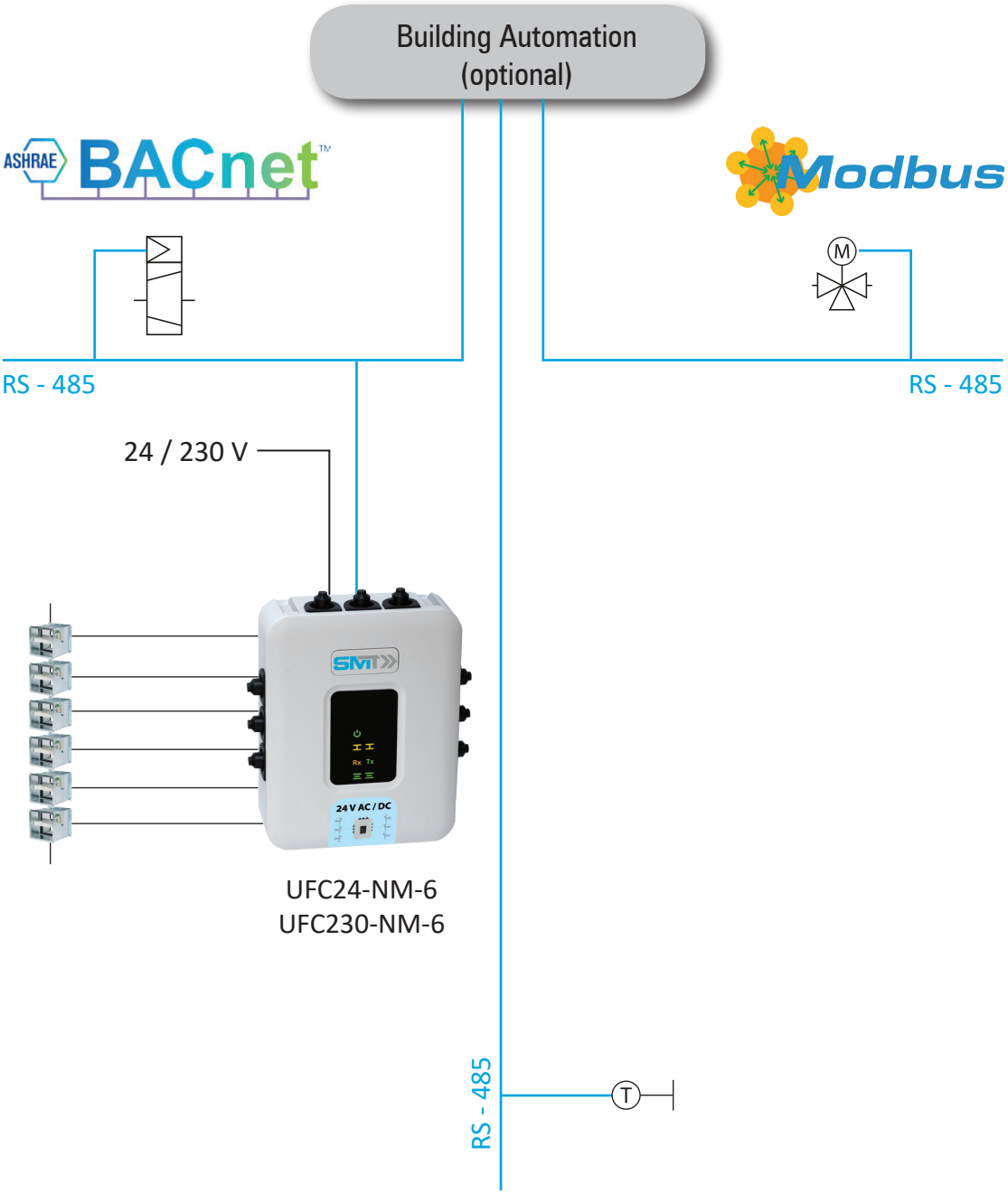
Connections for 6 digital inputs (DI)

**Output Modules**

Connections for 2 digital outputs (DO)

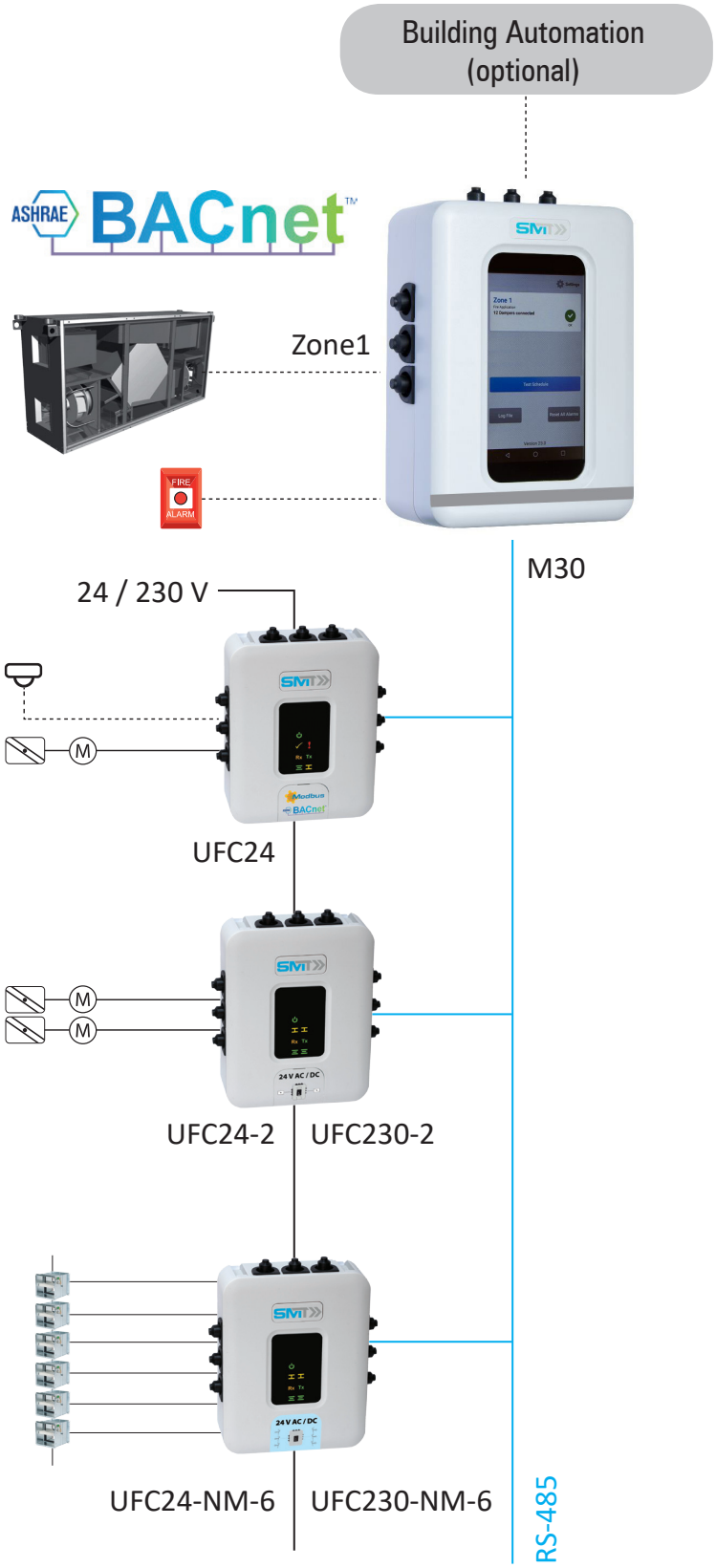
For the direct integration into a superior system. Not in connection with the M30/M240 controllers

## Direct Integration

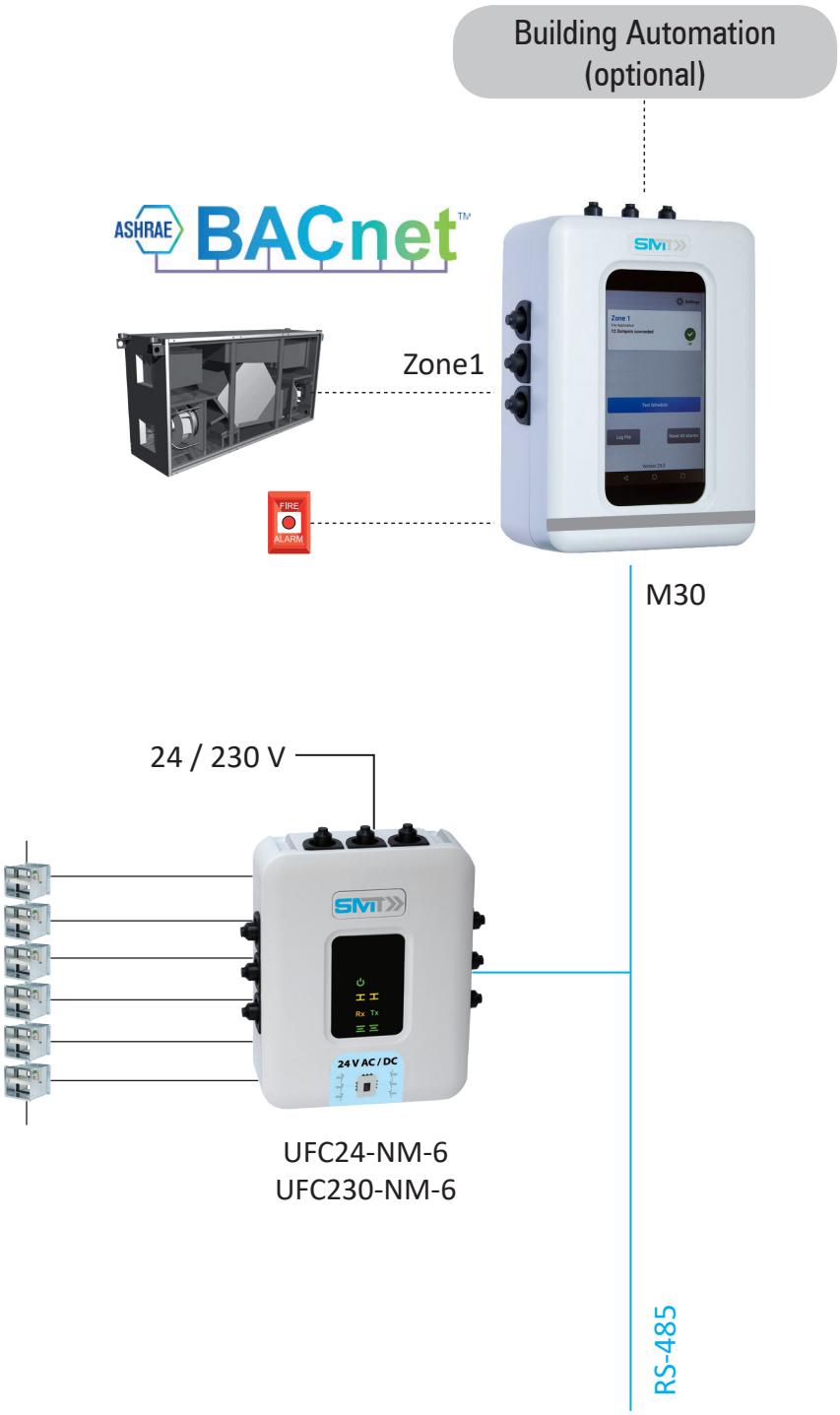



- Upon request, SMT supplies the functional profile of the UFC devices for the easy integration into any Modbus or BACnet controller

## Universal System M30



## System M30-NM



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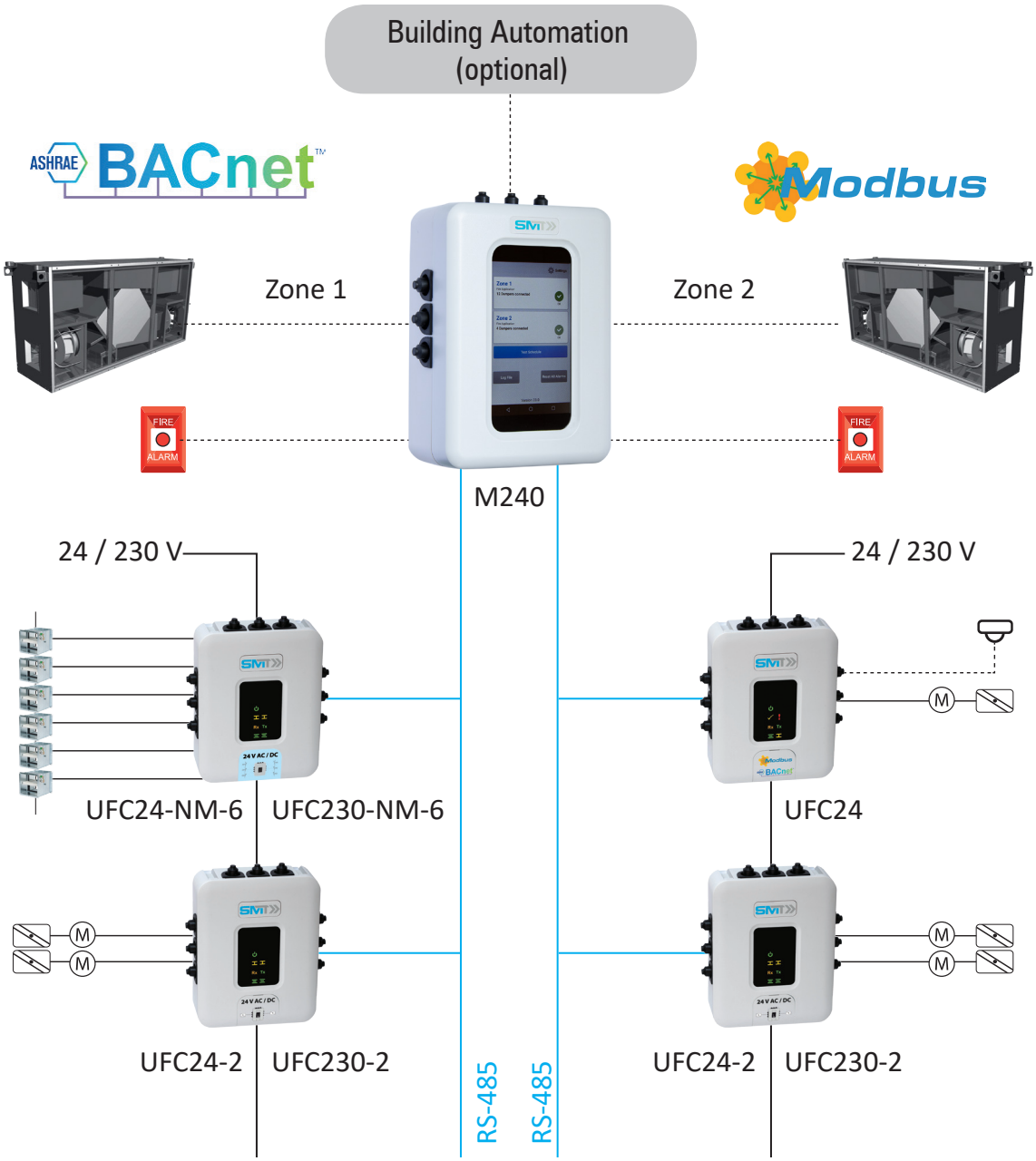
## Universal System M240




- Upon request, SMT supplies the functional profile of the UFC devices for the easy integration into any Modbus or BACnet controller
- Individual control of 2 dampers together with the UFC24-2 / UFC230-2
- UFC devices are available for the connection of 24 V and 230 V actuators (24 V: UFC24, UFC24-2; 230 V: UFC24-230, UFC230-2)
- UFC devices are available for non-motorized fire dampers / for up to 6 end limit switches (24 V: UFC24-NM-6; 230 V: UFC230-NM-6)


Systems & Modules Technology AG
Frohwiesstrasse 43
CH-8630 Rüti
Switzerland
Phone: +41 79 400 38 10
Mail: info@smtec-ag.ch