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Fig. 1: LON-VCU

Description

The current situation in room automation is defined by a multiplicity of control devices for the individual tasks. The trend goes however to multifunctional devices, which unite these functions in itself. The LON-VCU combined such a multifunctional room control device with a nice, neutral and timeless design, with an intuitive, conclusive and simple user interface. The device is suitable for the operation of the individual tasks such as art light, sun protection, heating, ventilation, cooling, electrical window, etc. It replaces the classical control devices and thermostats in the room. This LONWORKS® based control device consists of a graphic display with background lighting as well as a multifunction turning wheel and transmits during operation corresponding control instructions in the network. Below the display, 4 keys are available, whose function can be defined by changeable free definable symbols in the graphic display. Functions of the device are represented either over texts (2 lines or 4 lines proportionally spaced printing) or over icons in the format 32x32 or 16x16 pixels (mixed representation is possible). The functions, and the sequence of the menus, as well as their contents and key allocations are selectable by the integrator over an appropriate Tool.

Controllable functions

| | |
|----------------|--|
| Light | switch/dimmen, actual values can be displayed |
| Heating | true/desired value, adjustable |
| Ventilation | open/close |
| Sun protection | up/down, position/angle, feedback of position and angle |
| TST | separately control glare shield/light steering elements, recall TST scenes, to debit brightness give |
| Windows | open/close, position |
| Occupancy | yes/no (over keys) |
| scenes | scenes learn/recall; max. 8 scenes |

Technical data

| | |
|---------------------------|---|
| User Interface | Display with 122x of 32 pixels, graphically, background light, icons as well as text in two sizes 4 x function keys below the Display 1 x multifunction turning wheel |
| Voltage supply | 24V DC/AC |
| Power consumption | max. 1.8VA |
| Businterface | Transceiver FTT-10A |
| Assembly | Surface mounted case |
| Site conditions | |
| Operating temperature | 0 – 40 °C |
| storage temperature | 0 – 60 °C |
| humidity (non-condensing) | 10 – 85%F _{rel} |
| dimensions | |
| LxBxH | approx. 16.7x9.5x2.6 cm |

Integrated sensor

| | |
|--------------------|---------------------------------|
| Temperature sensor | 10 – 30°C, accuracy of 0.5°C |
|--------------------|---------------------------------|

Interface

