LON-VCU





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 goe's 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 back-ground 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 changable 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 16x to 16 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 dis- played	
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 stee- ring elements, recall TST scenes, to debit brigthness give	
Windows	open/close, position	
Occupancy	yes/no (over keys)	
scenes	scenes learn/recall; max. 8 scenes	

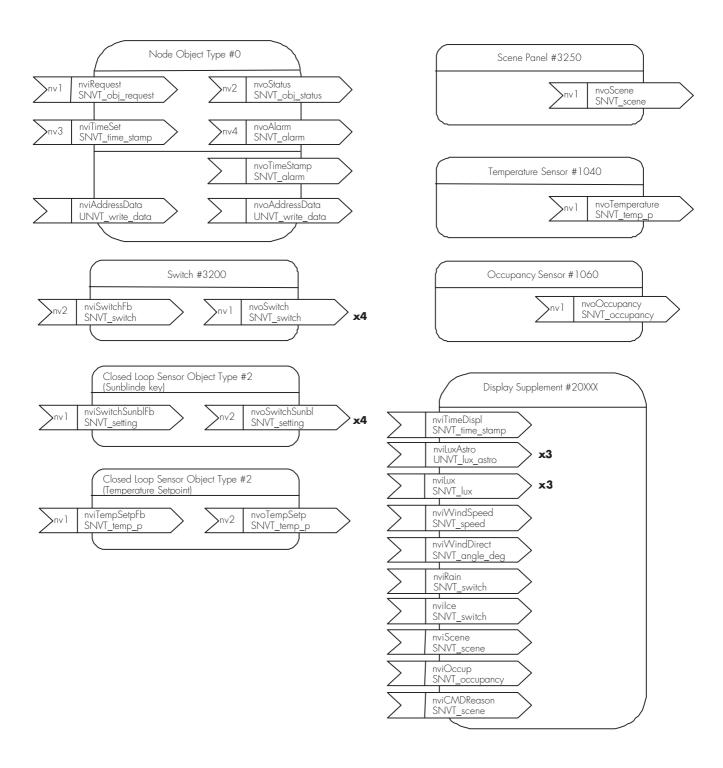
Technical data

User Interface	Display with 122x of 32 pixels, graphically, background light, lcons 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

Tomporature	10 – 30°C,
Temperature sensor	accuracy of 0.5°C

Interface



PDB7190K0.010102/05.04.02