UCT-31/31P

DESCRIPTION

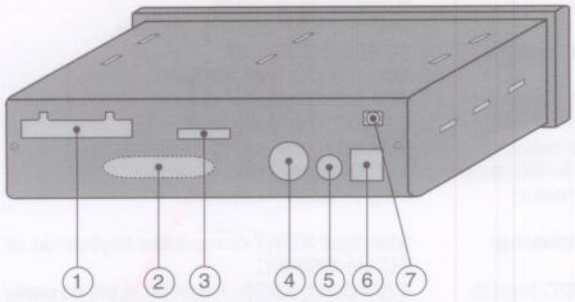
General purpose message display for front panel mounting with up to 200 prestored messages.
Each message contains 2 lines of text with up to 20 characters per line.
Process values, counter values, etc. with up to 16 digits can be placed in the text field.

The message display can easily be integrated into any PLC controlled system as the message selection and read-out of process values is controlled by 9 (or less) standard transistor outputs on the PLC.

The UCT-31P version can be connected to a standard parallel printer and each message can be printed out for e.g. documentation together with the actual time and date derived from the built-in real-time clock.

Versions available for direct mains supply or battery supply.

REAR PANEL/CONNECTIONS



1. Parallel inputs, plug-in screw terminals.
2. Printer output, 25-pole sub-D (P-version only).
3. Code switch.
4. Connector for external keyboard or PC.
5. Fuse.
6. Mains supply, plug-in screw terminals.
7. Ground terminal.

VERSIONS/ORDERING CODES

	UCT-31P	230
Type:		
With 200 messages/16 variable digits. UCT-31		
With 190 messages/16 variable digits/UCT-31P printer output & real-time clock.		
Supply voltage:		
12-48V AC/DC		924
110-240V AC		230

TECHNICAL DATA

Display: VFD type, 2 x 20 characters, 5 x 7 dot matrix. Readable at a distance up to 3 m.

Display field: 125 x 22 mm.

Height of characters: 5 mm.

Intensity: Programmable, 4 levels.

Messages: Up to 200 messages (P-version: 190). 40 characters each. Messages are selected by an 8 bit binary code at the parallel input (100 messages using BCD selection). Messages are stored in built-in memory (EEPROM) independent of supply voltage.

Variable digits: Up to 16 digits totally. The variable digits can be used for a single value or separated into a number of values and placed at any position in the text field. The values are entered by using a 4 bit binary code selecting the digit position and a 4 bit BCD code entering the digit value.

Time/date digits: (P-version only) Up to 10 digits totally. year-month-date, hours, minutes. The time/date digits can be placed at any position in the text field. Time/date are derived from the internal real-time clock.

Character sets: Danish, UK, German, Swedish. Danish CP850, UK CP850, Swedish CP850, German CP850 Swiss/1 CP850, French CP850

Inputs: 9 optocoupled inputs, PNP or NPN controllable.

Input voltage: 10-30V DC (active). Max. 3V DC (non active)

Input current: 12V DC: Typically 3mA. 24V DC: Typically 6mA.

Input delay: Typically 1ms (noise suppression).

Built-in DC supply: 12V DC nom. max. 100mA

Connector: Plug-in screw terminals.

Real-time clock: (P-version only) Time (hours-minutes) 2 x 2 digits. Calendar (year-month-date) 3 x 2 digits. Automatic correction for leap days. Correction for summertime via code switch.

Accuracy: 25°C: Better than ± 1s/day. -20 to +50°C: Better than ± 5s/day.

Battery back-up: Min. 3 years, typically 5 years.

Printer output: (P-version only) Standard parallel (Centronics type). For each message it is possible to select whether the message should be printed or not. Time and date will automatically precede all messages sent to the printer.

Connector: 25-pole sub-D (female) connector.

Programming: Standard XT/AT-compatible keyboards or PC via RS232C.

RS232C format: 1200 Baud, ASCII, 1 start bit, 8 bit, no parity, 1 stop bit.

Connector: 7-pole female DIN connector (XT/AT compatible).

Supply voltage: 12-48V AC/DC (10.5-58V). 110-240V AC (90-265V).

Connector: Plug-in screw terminals.

Mains frequency: 40-60Hz.

Consumption: Approx. 10W.

Ambient temperature: -20 to +50°C.

Protection: Front: IP54. Rear: IP20.

EMC: According to EN50081-1, EN50082-2.

Isolation: Mains: 4kV AC according to EN60950. Parallel input to electronics: 2kV AC

Dimensions:
Front: 192 x 48 mm according to DIN43700.

Depth: 96 mm + connectors (10 mm) + front (9 mm).

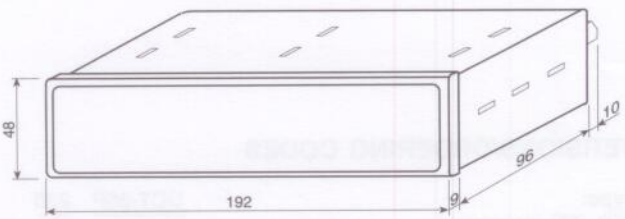
Panel cut-out: 186 x 45 mm.:

Housing:
Front: Plastic.

Rear: Anodized aluminium.

Weight: Approx. 600 g.

MECHANICAL DIMENSIONS



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