



elap CM78N

PROGRAMMABLE COUNTER/VISUALISER

CM78N C01 operates as 2-preset counter, as partial/total counter and as cycle counter with cycle preselection.

CM78N C02 is a position visualiser, a visualiser with two settable thresholds and an absolute/relative visualiser with two settable thresholds. Several parameters can be set by the user simply and directly.

The counter CM78N can replace a CM78 unit pin-to-pin; its functions currently replace the ones covered by programs S001-S002-S006-S007-S012-S017-S018-S020-S026-S032 of CM78 H1⁽¹⁾.

OPERATING MODES

CM78N C01

- Up/down counter with settable cycle
- Partial/total counter with settable cycle
- Cycle counter with settable cycle

CM78N C02

- Position visualiser
- Position visualiser with two settable thresholds
- Absolute/relative visualiser with two settable thresholds

GENERAL SPECIFICATIONS

- * 6 displayed digits
- * mono/bidirectional input
- * count frequency (primary wave) 25 KHz
- * 2 relay outputs 250V 3A
- * 2 presets
- * NPN or push-pull encoder inputs
- * supply voltage 115 or 230 or 24Vac, 50/60Hz or 12 or 24 Vdc (to be defined in the order)
- * microprocessor with re-writable memory
- * operating modes can be freely set by the user:
 - decimal point position
 - correcting factor from 0.01 to 9.99999
 - multiplication of the input pulses by 1 or by 4
 - 12÷24 Vdc external functional inputs NPN or PNP, selectable by software
 - single or repeat cycle, up or down counter (for type C01 only)
 - solid state or time outputs
 - partial/total counter (type C01) or absolute/relative visualiser (type C02)
 - cycle counter (type C01 only)
- * Dimensions: mm 96x48, dept mm 105, panel cut off mm 92x45

(1) The monodirectional count direction is defined by software, not by terminal box

PROGRAM C01

Covering the same functions as CM78 H1 with programs S001 – S006 – S020 – S026* – S032*

*The outputs cycle results modified in case of repeat cycle

PROGRAM C02

Covering the same functions as CM78 H1 with programs S002 – S007 – S012 – S017 – S018 **

**The bidirectional count x2 is not implemented

