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Author: Uffe Larsen  
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PRELIMINARY SPECIFICATIONS FOR RC 7000 DIGITAL SENSE TERMINALS

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Abstract: Digital sense specification.

Preliminary specifications for Digital sense terminals

Digital sense terminals DST 701 are 32 bit ~~buffered~~ digital input units for RC 7000.

These are placed in chassis CHS 701 and are connected to the RC 7000 data channel.

Application: Alarm contact-sensing in industrial process control.

Specifications:

Selection: I/O instruction with predetermined device address.

Number of digital inputs: 32

Type of input: 2 wire current input from external source.

Input signal nominal:

30	mA = logic 1
<0,5	mA = logic 0
30	mA $\pm$ 20% max. 1,5 volt
<0,5	mA max. 1,5 volt

Input signal abs. max.: 40 mA at max. 1,5 volt

Max. reverse voltage: 3 volt

Input circuits: Ga-As light-emitting diodes + phototransistors ensuring galvanic isolation.

Max. floating voltage: 1500 V

Max. capacity: 5pF

Dimensions: Height: 22.86 mm

Width: 380 mm

Depth: 390 mm

Supply Power: + 5 volt  $\pm$  5% 3 Amp

Ambient air: Temperature 0-45° C at relative Humidity (30-70%)

Weight: 1,1 kg