Program Timer

The timer 1195 is built in a standard 190 x 40 x 107 mm plug-in unit with LED numerical displays.

It can be used both in Down-timer (count-down) and Up-timer (stop-watch) mode. The Program timer mode "timing" is modulation controlled. Real time and date can also be displayed.

The unit is fitted with a centronics-compatible port for printer logging.

TECHNICAL SPECIFICATIONS

General

Weight:	800 g
Dimensions:	190 x 40 x 107 mm
Supply voltage:	12 V to 38 V DC / 10 V to 24 V AC
Current drain:	200 mA / 12 V
	130 mA / 24 V
Connector:	64-pin connector DIN 41612
Fastening:	M3 screws (see accessories)
Display:	7 digits LED display,
	14.2 mm, colour green
	Digit 1/10 colour yellow
Modes:	• Up-Timer
	• Down -Timer
	• Program Timer with printer output
	(manual or automatic timing for
	takes and pauses)

Modulation inputs/Program Timer mode

Electrical data:	transformer balanced, floating
Impedance:	min. 10 kΩ
CMR:	min. 60 dB
Input level:	+6 dBu
Input level range:	-54 dBu to +22 dBu
Threshold:	-54 dBu to -14 dBu (adjustable)
Attack delay:	500 ms to 25 s (adjustable)

Up-Timer

Range:	9 h 59 m 59 s
Resolution:	1/10 s
Memory:	5 time values

Down-Timer

Range:	09 h 59 m 59 s
Resolution:	1 s
Presets:	5 time values

Interfaces

Printer interface:	Centronics port

Remote display interface:	Electrical:	RS-422
	Signals:	DCK (data clock)
		FCK (frame clock)
		DATA (8 bit)
	Clock rate:	DCK 10 kHz
		FCK 1.25 kHz
	Format:	NRZ word length 8 bit
		Bit 0-3 segment addresses
		Bit 4 decimal point
		Bit 5-7 digital addresses
	Supply:	+5 V (logic)
		+24 V (input voltage)
		GND (signal)
		0 V (input voltage)
Remote control interface:		Serial transmission of all timer functions
		Parallel transmission of:
		START, STOP, RESET
	Electrical:	RS-422
	Signals:	DCK (data clock)
		RFCK (rem. frame clock)
		RDATA (rem. data)
		START
		STOP
	Clock rate:	DCK 10 kHz
		RFCK 1.25 kHz
	Format:	NRZ word length 8 bit
		LSB first
	Supply:	+5 V (logic)
		GND (signal)
Control output 1&2:		opto couplers CNY74-2 (U_{CEmax}: 70 V)
Control output 3:		TTL-compatible 5 V at 470 Ω

Items delivered

Timer 1195:	• mating connector
	• operating manual

Order number: 1195
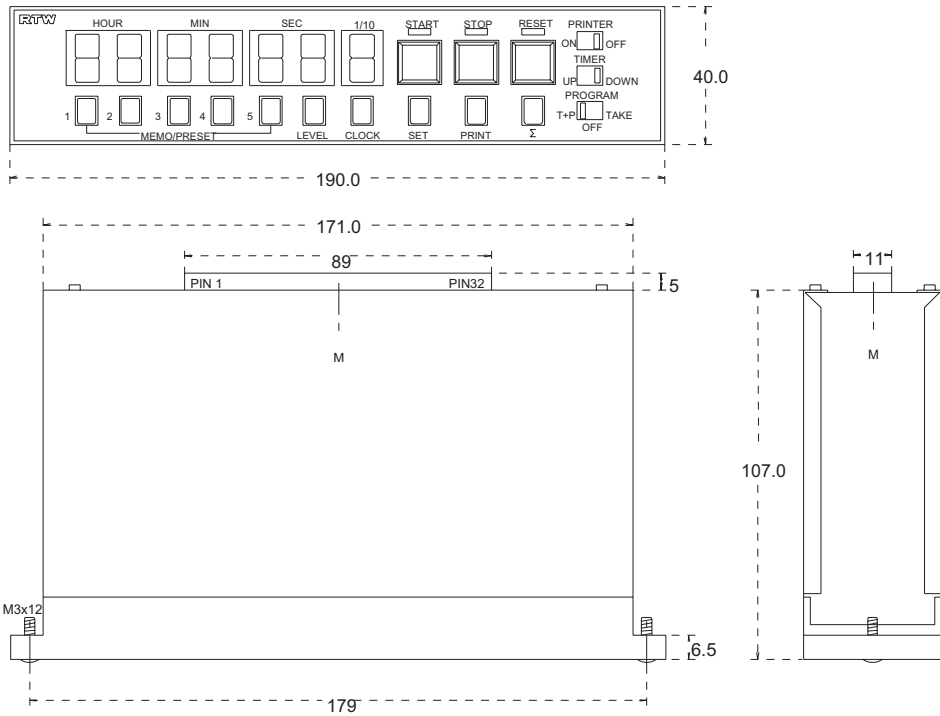
Abmessungen in Millimeter: Darstellung auf 45% reduziert.. Dimensions in mm. Size reduced to approx. 45%.

CONNECTION

The timer is connected up using a 64-pin female connector (DIN 41612).
The connector is wired up as follows:

pin 1c:	PD10	(1/STROBE)		pin 23c:	STOP	(6)		pin 12a:	GND	(25/GND)
pin 2c:	PD0	(2/DO)		pin 24c:	DCK	(7)	*Remote*	pin 13a:	DCK	(1)
pin 3c:	PD1	(3/D1)		pin 25c:	RDATA	(8)		pin 14a:	-FCK	(2)
pin 4c:	PD2	(4/D2)		pin 26c:	GND	(9)		pin 15a:	-DAT	(3)	*Display*
pin 5c:	PD3	(5/D3)		pin 27c:	Case			pin 16a:	+VIN	(4)
pin 6c:	PD4	(6/D4)		pin 28c:	CH 2	(+)		pin 17a:	0 V	(5)
pin 7c:	PD5	(7/D5)	*Printer*	pin 29c:	CH 1	(-)		pin 18a:	GND	(6)
pin 8c:	PD6	(8/D6)		pin 30c:	0 V DC			pin 19a:	-OUT1*	(7)	*Outputs*
pin 9c:	PD7	(9/D7)		pin 31c:	Vin AC		*Supply*	pin 20a:	-OUT2*	(8)
pin 10c:	PJ1	(10/AC)		pin 32c:	+Vin DC/Vin AC			pin 21a:	GND	(9)
pin 11c:	PJ0	(11/BUSY)						pin 22a:	START	(1)
pin 12c:	PJC2	(12/PE)		pin 1a:	PD8	(14/FEED)		pin 23a:	RESET	(2)
pin 13c:	NC	(13/NC)		pin 2a:	PJ3	(15/ERROR)		pin 24a:	RFCK	(3)	*Remote*
pin 14c:	+FCK	(6)		pin 3a:	PD9	(16/RESET)		pin 25a:	+5 V	(4)
pin 15c:	+DAT	(7)	*Display*	pin 4a:	NC	(17)		pin 26a:	0 V	(5)
pin 16c:	+5 V	(8)		pin 5a:	GND	(18/GND)		pin 27a:	CH 2	(-)
pin 17c:	GND	(9)		pin 6a:	GND	(19/GND)		pin 28a:	GND	
pin 18c:	OUT3	(1)		pin 7a:	GND	(20/GND)	*Printer*	pin 29a:	CH 1	(+)
pin 19c:	+OUT1*	(2)	*Outputs*	pin 8a:	GND	(21/GND)		pin 30a:	0 V DC	
pin 20c:	+OUT2*	(3)		pin 9a:	GND	(22/GND)		pin 31a:	Vin AC		*Supply*
pin 21c:	+5 V	(4)		pin 10a:	GND	(23/GND)		pin 32a:	+Vin DC/Vin AC	
pin 22c:	0 V	(5)		pin 11a:	GND	(24/GND)				

+ = Collector
- = *Emitter*

COLOURS

RAL 1015 Light ivory
RAL 7011 Iron grey

ACCESSORIES
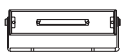
Case without power supply	Remote display	Remote display	19"-1 unit height mounting panel	19"-1 unit height mounting panel	Bracket	Clamping locks
Order no. 1023E	Order no. 1197A	Order no. 1183	Order no. 12993	Order no. 12994	Order no. 1127H	Order no. 13973