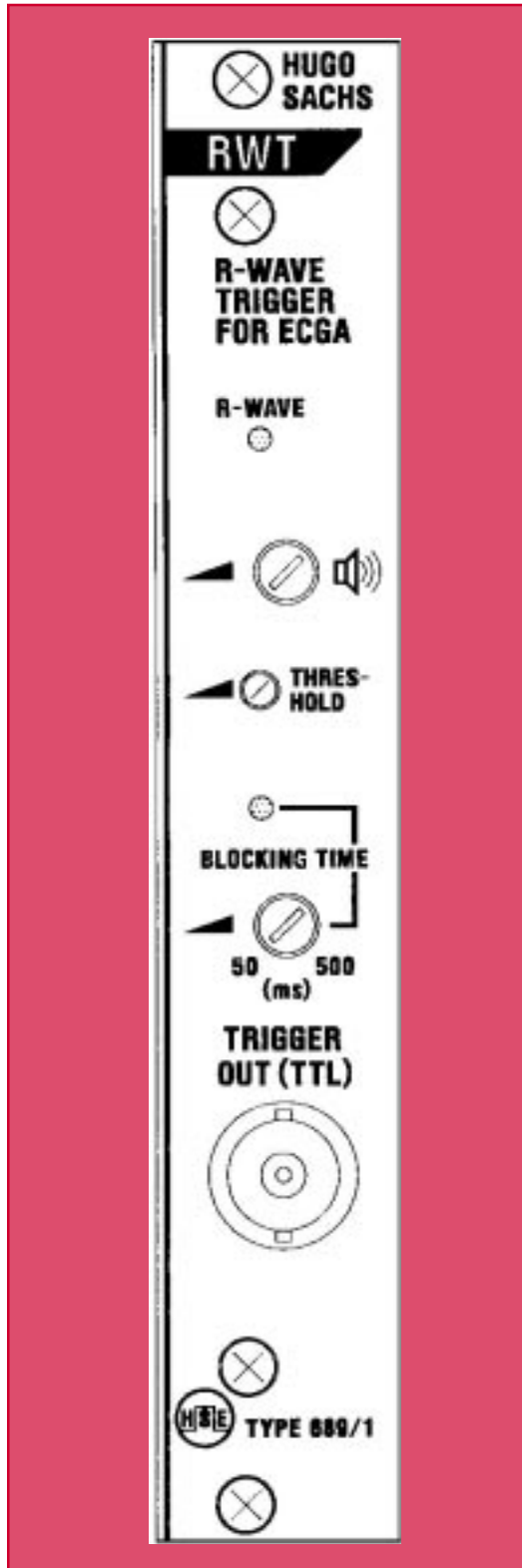


HSE-Harvard R-Wave Trigger Module (RWT) for ECG Amplifier

- Module to trigger an external stimulator, data acquisition, oscilloscope on ECG R-Wave

This module is especially designed to trigger (start) a stimulator or any other device with the R-wave of an ECG signal. The ECG signal has to be measured with the PLUGSYS ECG Amplifier Type 689. The R-wave trigger module is internally connected to the ECG Amplifier and works only together with this amplifier. The R-wave trigger module can be used (e.g., for synchronized stimulation of the heart) by triggering a delay module of a stimulator. It is possible to set the stimulation pulses delayed from the R-wave into the vulnerable phase to produce ventricular fibrillations. The trigger output of this module must be connected to the trigger input of a stimulator with a BNC cable.



Specifications

Output	BNC connector TRIGGER OUT at front panel open collector TTL signal, pull-up resistor 2.2 kΩ; jumper on board defines whether positive or negative pulses used as trigger pulses
R-Wave Indication	LED and beep to indicate R-wave; loudness of beep can be set with potentiometer
Threshold	Threshold for triggering can be set with potentiometer
Adjustable Blocking Time	Blocking time for trigger signal can be adjusted so that circuit is inactive for fixed time; time can be set with potentiometer 'BLOCKING TIME' in range from 50 msec to 500 msec; LED indicates blocking time
Power Supply	Through ECG Amplifier Type 689
Dimensions, H x W x D	128.7 x 20.2 x 100 mm (5.1 x 0.8 x 3.9 in)
PLUGSYS Width*	1 slot unit
Weight	0.2 kg (0.4 lbs)

Catalog No.

CGS 8408.71

Product

RWT R-Wave Trigger Module for ECGA