

Description

UWE Timer H-Bridge is primarily designed to convert output signals from control units or toggle switches (+24V on/off) for regulation of electrical flap motors. It alternates the outputs between +24V and ground. Two minutes after the last operation, the Timer H-Bridge switches off ground.

Electrical characteristics

Nominal supply voltage:	+22 to +29VDC
Maximum working voltage supply range:	+16 to +33VDC
Maximum allowed supply voltage:	42VDC for 5 minutes
Load dump protection:	65VDC
False polarity protection:	-30VDC
Normal power consumption:	50mA+output current
Maximum relay current:	4A

Electrical characteristics for signal input.

Nominal supply voltage:	+22 to +29VDC
Maximum working supply range:	+7 to +33VDC
Nominal current:	5mA

Transient voltages

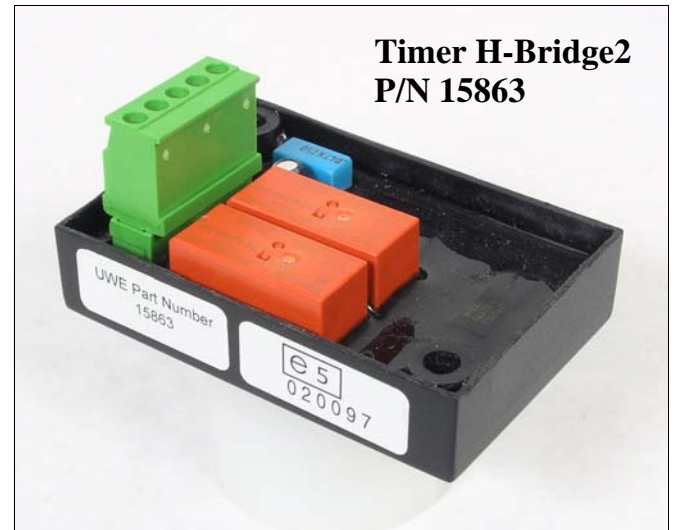
All digital IO + supply connections are designed to withstand the following normative test pulses according to ISO 7637/2 and 3

Tp 1a:	Vs-150V, Ri 10Ω, t1 5s
Tp 3a:	Vs-150V
Tp 3b:	Vs + 100V
Tp 4:	Vb + 24V, Vs - 16V, Va - 12V, t6 50ms, t8 20s
Tp 5b:	Vs + 65V, Ri 1.5Ω, td 600 ms, tr 10ms
ESD protection according to ICE 61000-4-2: 1995, level 4	

EMC

Emission:

According to IEC directive 95/54/EC



50A/m @	5Hz-400kHz
50V/m @	10kHz-2MHz
100V/m @	2MHz-1000MHz
50V/m @	1000MHz-2000MHz

Mechanical data

Weight: 90g

Temperature range: -40 to +65°C

Timer H-Bridge2 electrical connections

