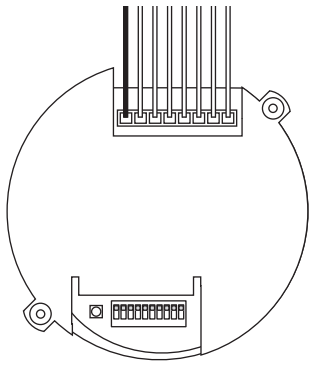
Wallbox Closure Interface

The Wallbox Closure Interface (model HWI-WCI) provides seven contact closure inputs and installs in a standard European wallbox. The HWI-WCI interfaces with low-voltage switches to provide an alternative look from a HomeWorks® keypad. The contact closure inputs are programmed using the *HomeWorks* software.



HWI-WCI

ENVIRONMENT

Ambient temperature: 0-40°C, 32-104°F, 0-90% humidity, non-condensing. Indoor use only.

CONNECTION TO PROCESSOR

HWI-WCI link wiring may be in a daisy-chain, star or T-tap configuration. Each home run on a link may be up to 305m (1,000 feet) and may contain up to 10 HWI-WCI devices. The total length of wire on that link (all home runs) may be up to 1220m (4,000 feet). 32 WCI devices may be placed on each processor link configured as a keypad link in the *HomeWorks* software. An auxiliary power supply may be required depending on the total current draw of all devices on the processor.

CONTACT CLOSURE INPUTS

Verify compatibility of external equipment. The input closures are intended for use with equipment that provide outputs in the form of dry contact closures. The HWI-WCI is for use with low-voltage switches only. Switches rated for high-voltage applications may not be used. The input closures may be used with ground-referenced, solid-state outputs if the outputs have an on-state saturation voltage of less than 2 VDC and an off-state leakage of less than 50 µA. Dry contact or solid-state outputs must be capable of switching 15 VDC at 10 mA. The outputs must stay in the closed or open states for at least 40 msec in order to be recognized by the keypad.

Wallbox Closure Interface

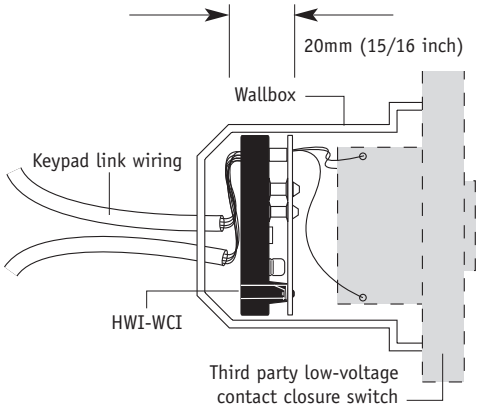


Figure 1 – mounting diagram

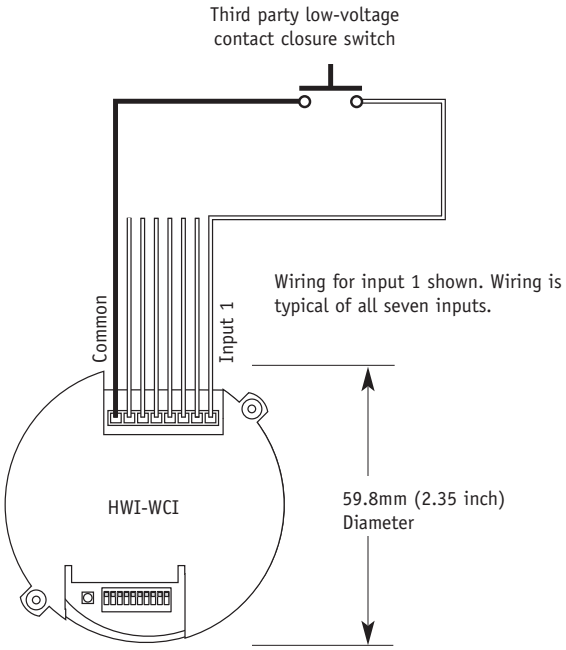
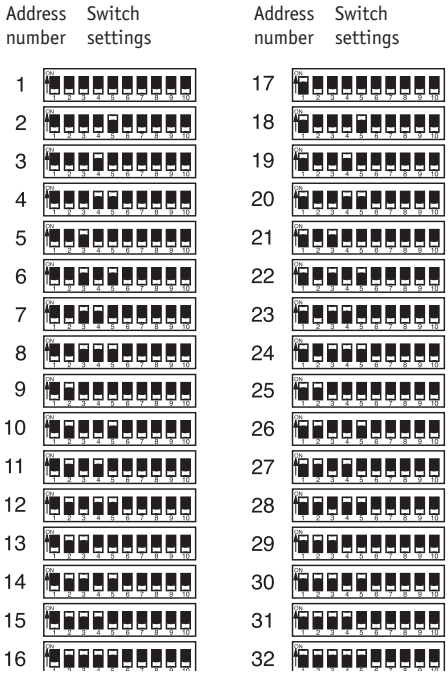
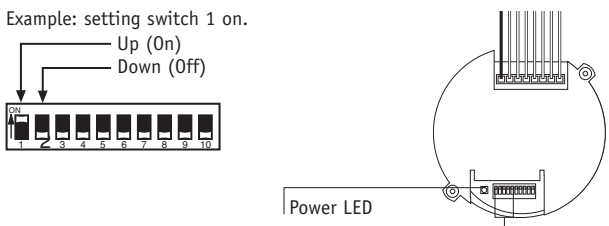


Figure 2 – Contact Closure Input wiring diagram



Set DIP switches 1-5 to give the Wallbox Closure Interface a unique HomeWorks® system address from 1 to 32.



DIP switches 1-5 for setting address. DIP switches 6-10 do not affect Wallbox Closure Interface address.

Figure 3 – addressing

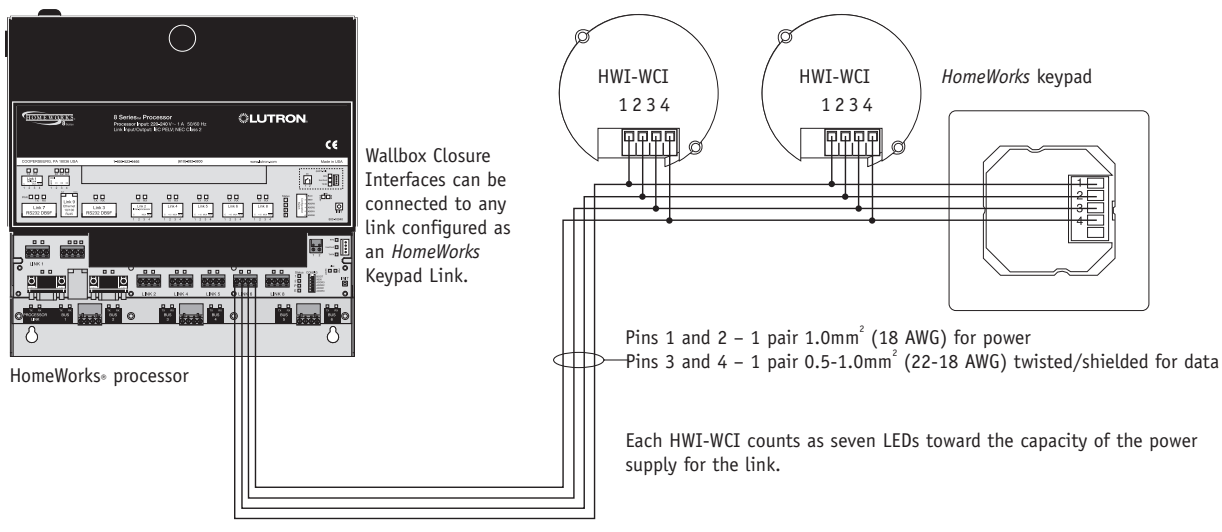


Figure 4 – wiring diagram