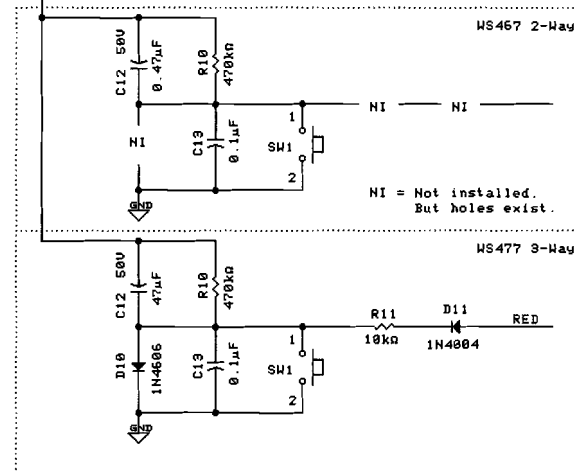


NOT STANDARD!



This drawing was created by reverse engineering of an existing module. Component numbers are my own.

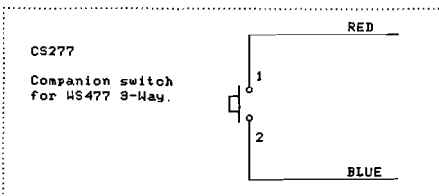
Older version used a BTA10-400C which is a 400V triac. This is on the limit if you want to modify the module to 220 or 240V. BTA10-600C works fine on 220V.

I suggest that you put a ~~RC~~ inside the module as the dashed line show. Improves reliability a lot. Value see table.

To enable local dimming, short circuit C12 or R10.

The ~~sh~~ symbol means only logical ground and any attempts to connect it to physical ground will probably result in smoke and flames.

Be carefull!!!!



CS277

Companion switch for WS477 3-Way.

	110-130V	220V	230-240V
C1	0.68µF - 250V	0.33µF - 400V	0.33µF - 400V
C2	0.1µF - 250V	0.1µF - 400V	0.1µF - 400V
R2	22Ω - 1W	47Ω - 1W	47Ω - 1W
MOU1	130V - 3.5kA	250V - 3.5kA	270V - 3.5kA
D11	1N4004	1N4006	1N4006
R11	10K - 1/2W	22K - 1W	22K - 1W

D11 and R11 only needed on WS477, 3-Way switch.

BC937 General purpose SI NPN >45U 800mA.
 BTA10-600CW Triac 600V, 10A, Igt 95mA Ugt 1.5V, I_h 35mA Insulated tab!
 1N4066 1N514, 1N4148 or similar

Powerhouse X10 Modules			
NAME	MS467 - MS477		
FUNCTION	Wall switch with dimmer		
DRAWN	H. ATTERSJO	DATE	1E/1-96
REV	1		