THIS SIDE:
TRANSFORMER CIRCUIT PROBLEM

Yes

VoltMeter Reads 120 volts at House Outlet?

No

Outlet GFI Protected?

No

Reset GFI

Yes

Power at Outlet?

No

You Win

Yes

House Breaker Tripped?

No

120v Problem Call Electrician

Quickly

Slowly

Defective GFI or Ground Fault

Breaker Keep Tripping?

No

120v Problem Call Electrician. GFI's are known for becoming defective or oversensitive to moisture. Use commercial grade GFI like the Hubbell #52521 ($25.)

Short Circuit on 120v side check all connections if OK and breaker still trips call Electrician

Wattpage overloaded. Reduce load on 120v circuit to under breaker Rating (typically 15 amps or 1800 watts on residential projects). Make sure you know all loads on the 120v circuit (Big screen TV etc.)

Yes

Bypass Timer by plugging 2 prong pig tail into internal outlet.

No

120v at position 7+9?

Yes

120v at position 7+10?

No

Replace Timer - 120v at position 7+9?

Yes

Defective Timer

No

120v at position 2+3?

Yes

120v at position 2+4?

No

Internal PX Circuit Breaker tripped?

Yes

Reset it by pushing it in

No

Internal Problem Return to Factory for Repair.

Note:
To make sure the problem is not a bad Photocell bypass it with the jumper wire.

No

Low voltage at position 2+3, 2+4, 2+5, 2+6?

Yes

120v at position 7+8?

No

Manually turn on Timer

VM Reads 120v at position 7+8?

Yes

No

If Photocell installed cover it with Black Boot. If no PC installed put red jumper wire in position 9+10. If you suspect a defective PC bypass it by installing the red jumper wire into position 9+10.

THIS SIDE:
120-volt HOUSE CIRCUIT PROBLEM

You Win!

No

Breaker keep tripping?

Yes

Reduce wattage load on the circuit that is tripping. Each circuit is 300w maximum. If your load is less than 250w and it is still tripping then you have a short in the low voltage cables running to the lights.