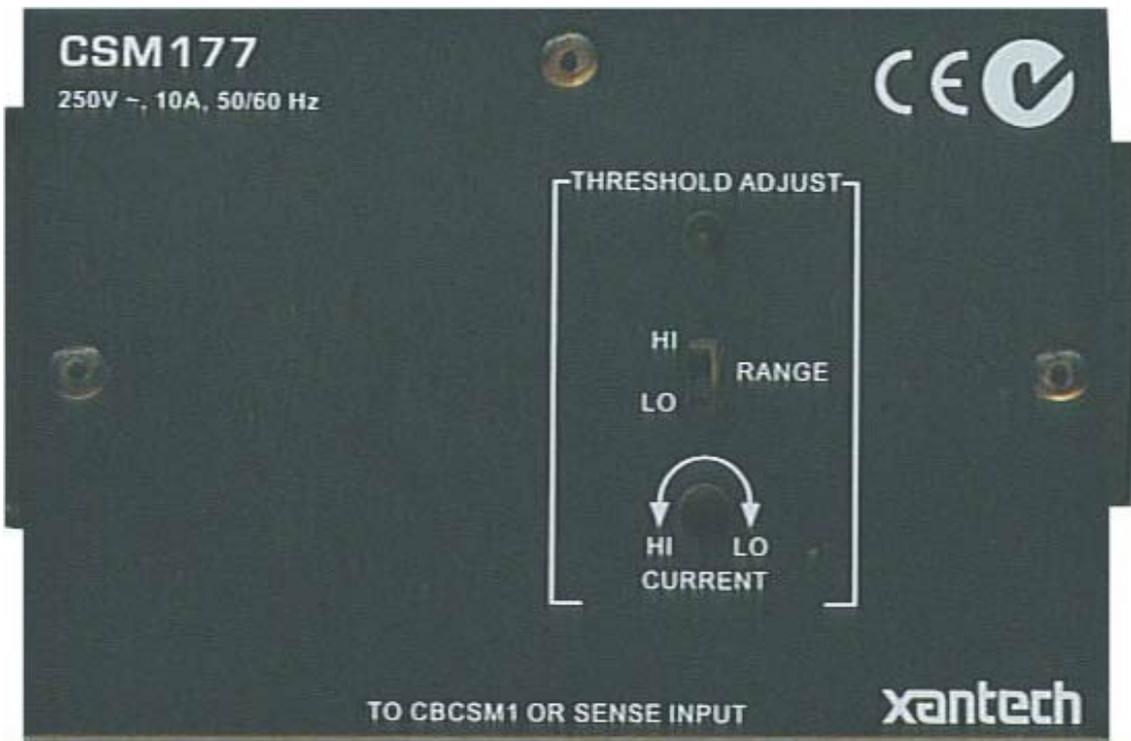


# LinTronic

## ON/OFF CONTROL BY XANTECH CURRENT SENSOR



### FOREWORD

Sending an infrared “Power Toogle” command to a device, will cause it to turn Off, it was already On, or Off if it was already On.

In order for our TT455-RT-238 Signal Converter to know whether to send the Power command or not, when specifically trying to control the device On or Off, it is necessary to know the On/Off status of the device/apparatus.

The purpose of this ApplicationNote is to detect the actual On/Off status of the apparatus to be controlled, before sending an infrared Power function.

The XanTech current sensor sends a digital On/Off signal to the LinTronic TT455-RT-238, telling whether the device is already powered On or Off.

When requested to turn the device/apparatus On/Off, the TT455-RT-238 will check the digital input to determine whether to send Power or not.

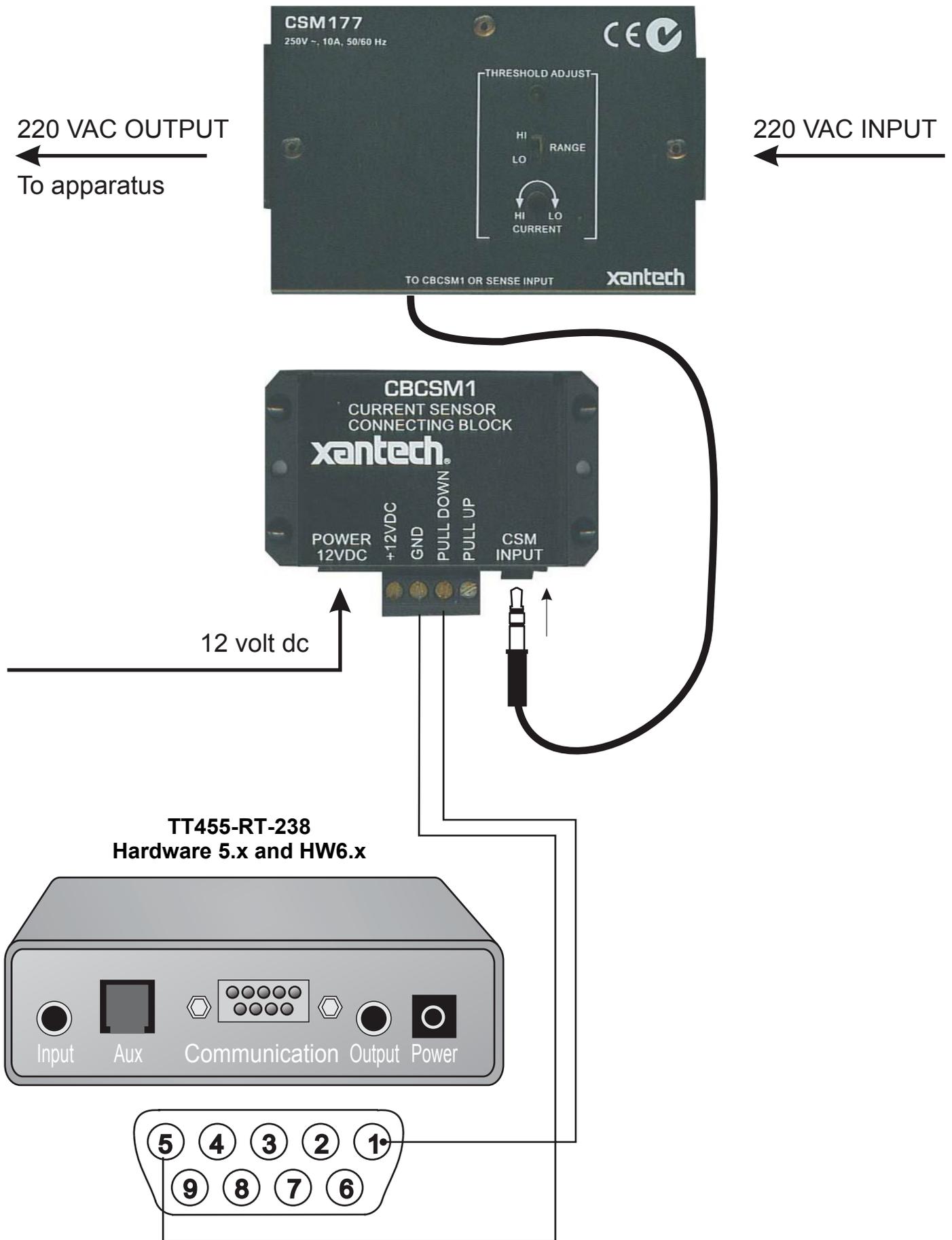
### NOTE

We created this feature (known as App\_10014) for the first time in 2007 as a special solution for a customer. At that time a specific Power code was send out, intended to control a Visonic device. Later we added Variables, to be used with all products, which a lot of customers have used with great success. Now in 2013, we decided to modify the Xantech solution and add it as a standard feature of the TT455-RT-238 firmware.

The next pages describe how you make use of this feature.

PS: If - for some reason it causes problems for you - we can turn the feature off.

# Xantech CurrentSensor: ON/OFF CONTROL



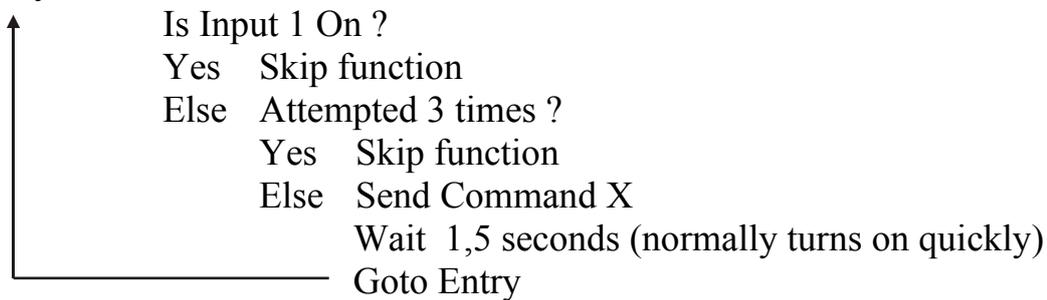
# Feature: App\_10014

## REQUEST FOR TURNING POWER ON

Instruction

Send command X to turn power on

Entry

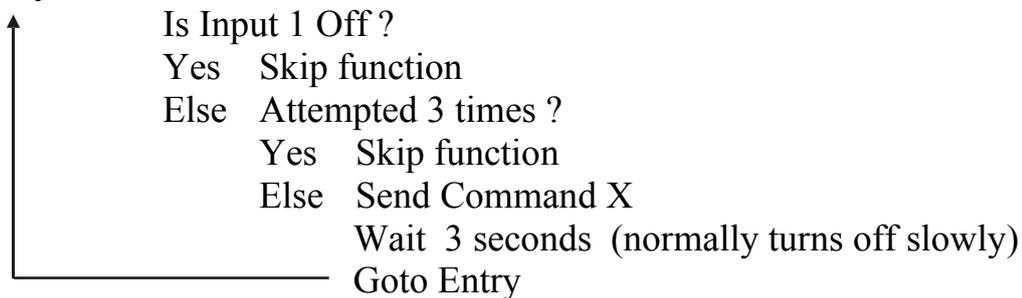


## REQUEST FOR TURNING POWER OFF

Instruction

Send command X to turn power off

Entry



# Modifying Command X in CommandList - if your default repeat number is 003

Assume that the POWER command - which turns your device both On and Off is:

716 012 034 000 255 000 000 003 = POWER

## **STEP 1**

Change repeat number to 254 and change POWER to POWER ON:

716 012 034 000 255 000 000 254 = POWER ON

Test the POWER ON command and you will see that it only turns the power On if the device is already Off.

## **STEP 2**

Copy this command and change repeat number to 255 and change POWER ON to POWER OFF:

716 012 034 000 255 000 000 255 = POWER OFF

Test the POWER OFF command and you will see that it only turns the power Off if the device is already On.

# Modifying Command X in CommandList - if your default repeat number is 001

Assume that the POWER command - which turns your device both On and Off is:

716 012 034 000 255 000 000 001 = POWER

## STEP 1

Change repeat number to 252 and change POWER to POWER ON:

716 012 034 000 255 000 000 252 = POWER ON

Test the POWER ON command and you will see that it only turns the power On if the device is already Off.

## STEP 2

Copy this command and change repeat number to 253 and change POWER ON to POWER OFF:

716 012 034 000 255 000 000 253 = POWER OFF

Test the POWER OFF command and you will see that it only turns the power Off if the device is already On.