

CST Pulse Conversion Transmitter (PCT) to a Siemens Sitrans FM Magflo

IMPORTANT –PLEASE READ CAREFULLY

THESE INSTRUCTIONS MUST BE FOLLOWED BY A COMPETENT TECHNICIAN

The PCT-120 has been designed to connect dry contact closure outputs (like those found on water meters) to irrigation controllers.

The PCT-120 can be used to connect to a Siemens Magflo if it is wired exactly as shown in the attached instructions.

To make the Magflo compatible will require more than just connecting the wire leads, and a **competent technician** is needed to make this connection. Failure to follow these directions may result in failure of the PCT-120, the transmitter of the Magflo or both.

Process

1. The Magflo transmitter set-up must be programmed so that the digital output pulse is NEGATIVE. This menu option is shown in the programming diagram on page 12 of the Magflo installation Manual. With the output leads of the Magflo disconnected and insulated from each other, power up the transmitter to re-program.
2. Make sure all power to the PCT-120, the irrigation controller and the Magflo mag meter is off before making these wire connections.
3. First look at the location of the green leads on the PCT-120. They are not labelled because when used with a mechanical water meter output, its not important. However when looking at the PCT-120 from the green label side, the two green leads will be on the left and the two yellow power leads will be to the right. The green lead furthest to the left is the + lead. REFER ATTACHED DIAGRAM

This + green lead must be connected to terminal 57 of the Magflo transmitter.

4. The other green lead must be connected to terminal 58 of the Magflo transmitter

5. A leaded resistor with a resistance value of 2.7K Ohms and a power rating of 1/2 Watt must be connected across the two green leads as shown using wire nuts to insulate the connections.

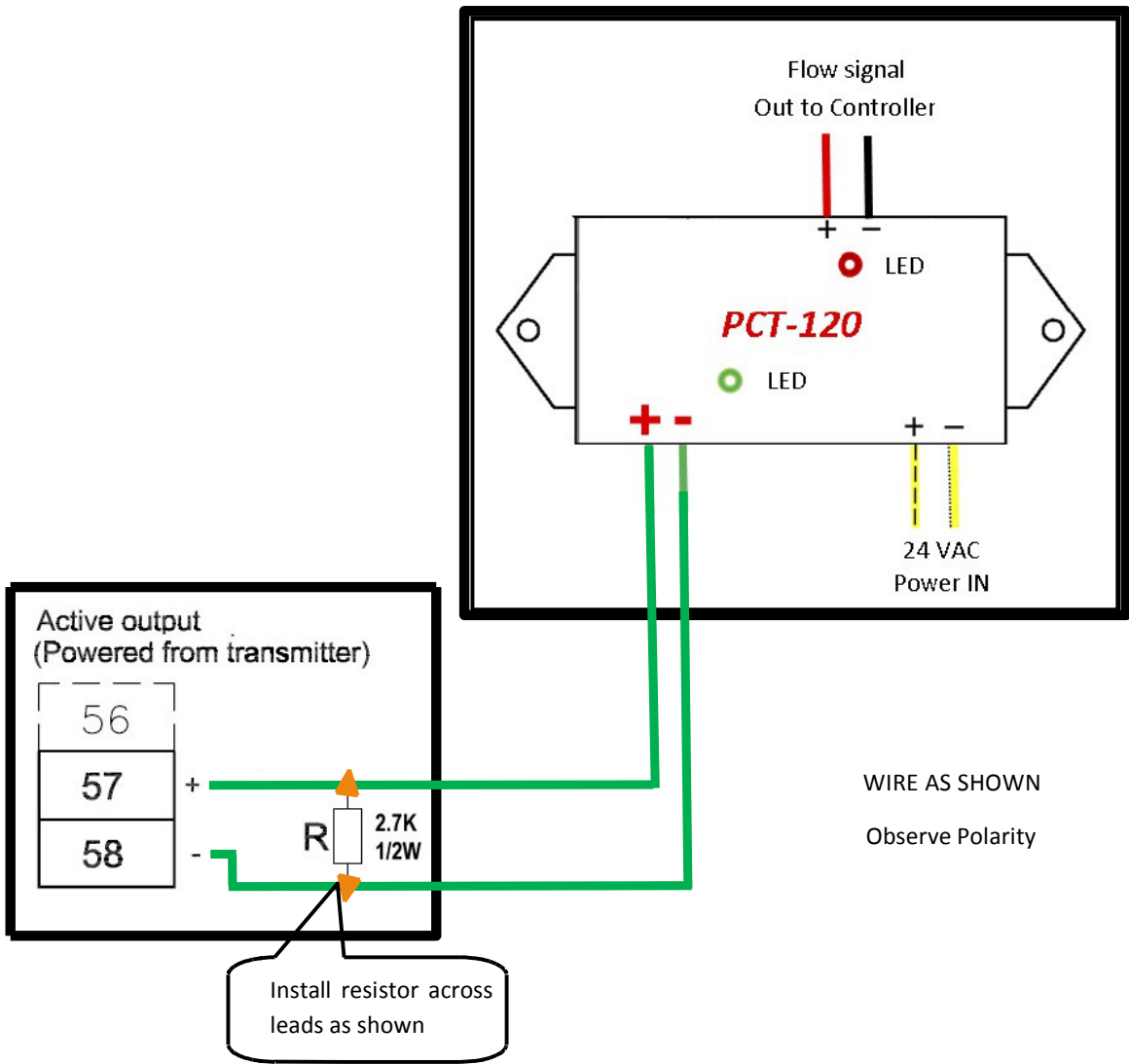
The Magflo should now be able to produce a signal that can be received by the PCT-120.



WD-43

110317

Siemens Sitrans F M Magflo
connection to PCT-120



Program Digital Output pulse/ Pulse polarity/ Negative
Page 12 of installation guide

NOTE SETUP

Menu setup:
Negativ:

