

## SMART SENSOR REMOTE ELECTRONICS - PRODUCT INSTRUCTIONS

### INTRODUCTION

Thank you for choosing Sensorex Smart Sensor Remote Electronics. This instruction manual covers all remote electronics modules for PH, ORP, DO, contact conductivity(CCOND), toroidal conductivity(TOR),free chlorine(FCL) and chlorine dioxide(CLD) sensors. The remote electonics modules are offered in DIN Rail and blind enclosure version. Output for the modules (either Modbus RTU or 4-20mA) is marked on the product label.

### WIRING - SENSOR INPUT - DR

pH - See Fig 1 - note: electrodes without temperature requires a 1.1K Ohm resistor between terminal #6 & #7.

ORP - See Fig 2

DO - See Fig 3

CCOND - See Fig 4- note: electrodes without temperature requires a 1.1K Ohm resistor between terminal #3 & #4.

TORCOND- See Fig 5

Note: Communication output and power cables will be supplied by the user.

### WIRING - POWER INPUT - DR

V+ - see label for either +12VDC or +24VDC

V- (GND)

### WIRING - OUTPUT MODBUS 485

V+(9) - see label for either +12VDC or +24VDC

V- (17) (GND)

MODBUS A (10)

Modbus B (11)





Parts covered by this instruction sheet: SSRE all models

INSTRSSRE11082023



### PRODUCT NAME PRODUCT INSTRUCTIONS

#### WIRING - SENSOR INPUT - EN

pH - See Fig 5 - note: electrodes without temperature requires a 1.1K Ohm resistor between terminal #6 & #7.

ORP - See Fig62

DO - See Fig 7

CCOND - See Fig 8- note: electrodes without temperature requires a 1.1K Ohm resistor between terminal #6 & #7.

TORCOND - Fig 9. Note: Communication output and power cables will be supplied by

### WIRING - POWER INPUT - DR

V+ - see label for either +12VDC or +24VDC

V- (GND)

# SMART SENSOR ELECTRONICS CONFIGURATIONS

#### Model SSRE-X-Y

X Choices: M = pH, ORP, DO, FCL, CLD T= Toroidal Conductivity C = Contacting Conductivity

Y Choices:

DR = Din Rail Enclosure EN = Enclosure Box





FIG 7-DO EN

FIG 8-CCOND EN



INSTRSSRE11082023