WDS-10015-01

TouchReader+ Model 3096

AMR System

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Model 3096 TouchReader+

The Model 3096 TouchReader+ is a battery powered, compact visual display reading device used for reading meters interfaced to the Sensus TouchRead® System and activation/deactivation device for Sensus radios (Models 510R/520R). It features a slim, easy-to-hold ergonomic shape that is specially designed for user comfort and convenient one-hand operation. The unit weighs less than seven ounces and can be carried in a pocket or its own belt-mount case when not in use.

The TouchReader+ is able to read Sensus absolute encoders. The TouchReader+ provides the ability to read an individual meter on the TouchRead System or multiple meters connected to the TouchRead system via a Sensus MultiRead module. The TouchReader+ also has memory capability for maintaining the most recent sixteen meter readings whether the readings were individual meters or those read using the Sensus MultiRead module.

To obtain a reading, the TouchReader+ sensor is placed on the Sensus TouchPad, either wall, meter or pitlid mounted, and the read button is pressed. Tactile feedback from the keypad and audible tones assist the meter reader operation.

Upon successful interrogation of the meter(s) being read via the TouchRead system, reading(s) are displayed on the liquid crystal display (LCD) of the TouchReader+. For single read meters, the absolute encoder meter reading and the ID number of the encoder are displayed on the LCD. For multiple meters, in conjunction with the Sensus MultiRead module, the readings are stored in memory for observation of the readings taken. Scroll buttons on the TouchReader+ allow for viewing of multiple read meter locations or the last 16 meters that were read.

Display

The TouchReader+ has a large LCD display that shows both the absolute encoder reading and ID number as well as some responses from Sensus radios. The LCD also shows a counter number for the last eight individual meters read or the meter locations when connected to a Sensus MultiRead module.

Radio Interface

The TouchReader+ is able to send specific commands to Sensus radios (Models 510R/520R).

The TouchReader+ can also query the radios for its status. To access the radio interface, press both up and down arrows at the same time to put the TouchReader+ in the programmer mode. Once in this mode, the user can query the radio for its status (idle or active), activate/deactivate a radio, and force a transmission (FixNet only). Highlight the function (Enable, Deact, Status) using the up/down arrows, place the TouchReader+ sensor on the radio's programmer port, and press the Read button. Upon success, the TouchReader+ will provide a status.

EnAbLE / dEAct / StAtUS Responses:
Success

ProG EnAbLEd Or 5-0F on 10n2oFF

ForcE rF Responses:
Success
rF SEnt

Features

- Reads wall mounted, meter mounted and pit lid mounted TouchRead sensors without adapters
- Large LCD display
- Ergonomically designed for easy handling and operation by a meter reader
- Contoured to fit any size hand
- Simple operating keypad for use with either thumb
- Small and light for carrying in a pocket
- Equipped with a belt-mounting carrying case
- Exterior composed of a touch ABS polycarbonate material for durability
- Easy battery replacement

Physical Characteristics

Specifications

Service	Hand-held electronic meter reading device used to visually read a meter integrated with the Sensus TouchRead System.
Physical Characteristics	Tough ABS polycarbonate case, UV stable. Gray color.
Dimensions	5-+” (136.53 mm) h x 2-+” (60.33 mm w x 1-+” (44.45 mm) d
Weight	6.72 oz. (188.16 grams)
Display	Liquid crystal display (LCD), 2 lines x 8 characters - 5/16” (8 mm) high
Memory	Non-volotile memory maintains last eight meter readings.
Operating Temperature	-4° F to +140° F/-20° C to +60° C
Power	U9 volt (PP3) Alkaline type (recommended) Battery included.
Compatibility	Sensus absolute encoders (direct TouchRead connect) for water.
Approvals	U.S. FCC and Industry Canada

Display/Error Messages

TouchReader+ Display Messages	Description
cAn’t rUn	Unable to execute specific command
don’t no	Command unknown
trnotSUP	TouchRead is not supported for the register connected to the port (TouchRead only available for Sensus encoders)
rEAd Er	No response from register on this port/no register attached to the radio/ defective register
no tr	TouchRead function not available
idLE	Status message: the radio is currently idle

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