



PocketCodr

NO-CODE SENSOR CONFIGURATION

- Innovative PocketCodr configurator streamlines configuration and commissioning of Smart Sensors and IO-Link sensors
- PocketCodr app uses live data graphs to present sensor parameters on-screen and in real time
- PocketCodr's unique Action Widgets for Contrinex Smart Sensors guide users through key configuration processes in a code-free environment
- PocketCodr enables remote sharing of sensor configurations among team members, simplifying multi-site collaboration

TEAM COLLABORATION

Let engineers share sensor configurations remotely with technicians and other team members, keeping full control of every process in all factories across the globe.



APPLICATION ENGINEER

- Configure sensors
- Back-up configurations
- Share with team members remotely



PRODUCT OPERATIONS

- Install or replace sensors
- Load shared configurations to sensors
- Digitally teach setpoints and thresholds





LIVE INTERACTIVE DATA GRAPHS

PocketCodr and its multi-functional companion app allow you to interact directly with sensors, presenting real-time parametric changes in-app on live data graphs. Configurable multi-channel monitoring makes it easy to view either routine process data or event-driven changes of state – as and when they occur.

Routines for digitally teaching set-points, setting alarm thresholds or simply viewing process data are simplified; displaying real-time target distance, switching status or time-phased digital output becomes a trivial task. Simply use the Live Data Chart function with your Contrinex Smart Sensor and see exactly how your sensor is behaving – keeping the answers at your fingertips at all times.



USER-FRIENDLY ACTION WIDGETS

PocketCodr's Action Widgets let the user configure compatible Smart Sensors without the need for programming skills.

Tapping a widget icon in the PocketCodr app initiates an easy-to-understand configuration process, stepping through a series of intuitive, graphics-based screens. Users will find themselves at home with familiar controls that include sliders, toggle buttons, and checkboxes, with helpful prompts to guide them through the process. With PocketCodr, you can wave your programming manuals goodbye!



CONNECTING YOUR POCKETCODR

Ensure your PocketCodr is powered up. Open the PocketCodr app on your mobile device and log in to your account. The app will detect your PocketCodr automatically. Then connect the sensor directly to the PocketCodr using a compatible connecting cable. The sensor details will be displayed in the app and you're ready to configure it.



USE ACTION WIDGETS TO CONFIGURE SETPOINTS AND OUTPUTS



Manual configuration:

Select the desired switching mode – Single-Point, Two-Point or Window.

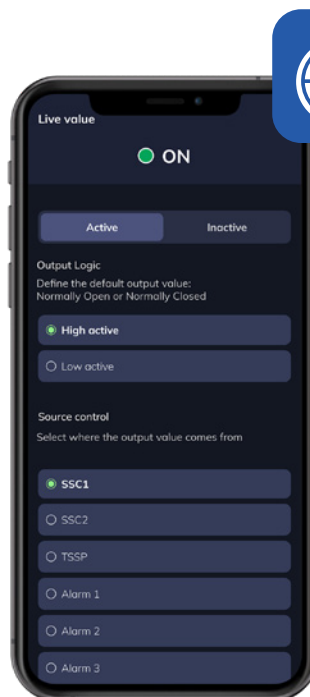
Enter the desired setpoint value(s) and level of hysteresis. Alternatively tap 'Teach' to configure the setpoint(s).



Teach:

Use the desired teaching procedure – Single-Value, Two-Value or Dynamic.

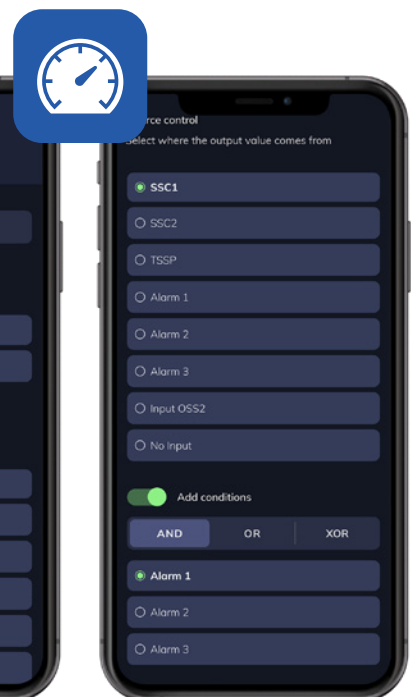
Position the target at each switchpoint, using the live graph as a guide, then tap "Teach".



Output(s):

Set output(s) as Active or Inactive and select output logic – High Active or Low Active.

Select the output source – SSC1/2, TSSP or Alarm 1/2/3.

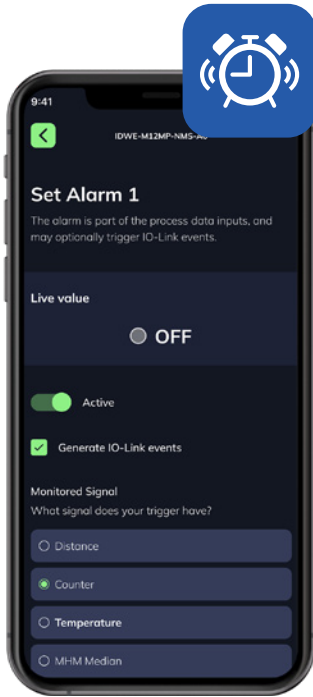


Conditional output logic:

Optionally combine internal signals and alarms and/or an external signal from OSS2 input.

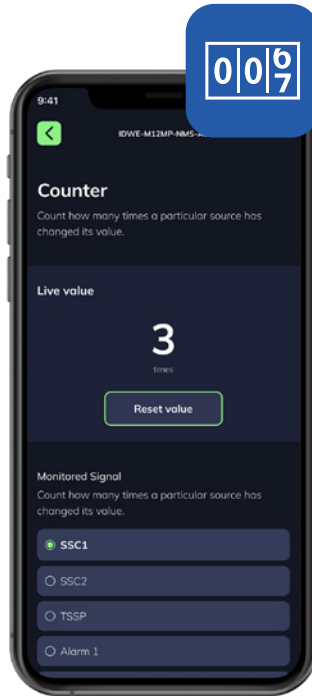
Use AND, OR or XOR functions to define conditional output logic.

CONFIGURING ALARMS, TIMERS AND COUNTERS



Alarms:

Designate multiple alarms as active/inactive. Select the parameter(s) to be monitored
Set alarm threshold(s) and optionally trigger corresponding IO-Link events.



Counter:

Select the internal signal to be counted and designate if counted on the rising or falling edge of the signal.
Display and optionally reset the live count value.
Select the signal to reset the counter.



Timer:

Select the internal signal that triggers the timer.
Set the timer value in milliseconds.
Select the timer mode – Stretch On, Delay On, Delay & Stretch On or One-Shot mode.

SENSOR DATA VISUALIZATION IN REAL-TIME



Monitor live process data in real time.
Display measurement value (Sn) over time in graphic format.
Optionally display multiple Process Data Inputs as digital values.
Select multiple signals, outputs and alarms for display.



SAVING AND SHARING YOUR CONFIGURATIONS



Use the PocketCodr Configuration Library to store and retrieve configurations across your organisation.
Display available configurations and grant user-specific permissions to allow individually tailored upload, retrieval and modification of configurations.