

Namdal Ressurs Connect Access, NRC1



Namdal Ressurs Container Controller is a simple to use, robust access controller. The controller is designed with the latest connectivity technology and can be mounted to control both access to, and management of most central depot containers.

Use Cases

- Manage Access
- Pay as you throw
- Container monitoring
- Container usage data for analytics

Technical specifications

Size and Weight

Height: 135 mm With: 70 mm Depth: 20 mm
Weight: TBD

Display

2.8", 240 x 320 pixels, 262K colors High brightness LED backlight

Cellular and Wireless

NB-IoT NB2, B3,5,8,20

Bluetooth 5.2

NFC ISO 18092, ISO14443A, ISO14443B, ISO15693 and FeliCa™

External Connectors

VCC (02T-JWPF-VSLE-S) and

Motor/ Switches (08T-JWPF-VSLE-S)

Switches Type Normally Open [NO]

Motor interface (Lock)

DC and PWM 3.3 V - 15 V VCC (Max 1.5 A)

Power

3.3 V - 15 V VCC (Minimum 0.5 A)

Sensors

Temperature, Ambient Light, Three-axis

Accelerometer and gyroscope

SIM Card

Chip SIM (MFF2 UICC)

Languages

Norwegian, English

Environmental Requirements

Operating ambient temperature: -30° to 70° C

Ingress Protection IP67

EN 62262 (kinetic energy) IK08



Key Features

- Cellular Cloud Connected
 - Open Web API
- Access control
 - Key Card/Tag reader
 - Smartphone
 - Cloud
- Configurable lock interface
 - Solenoids
 - Latch solenoids
 - DC motors
 - 3 X Position switches
- Large Color Display
 - Remote configurable
- Sensor Gateway
 - Open Bluetooth protocol

Supported waste management solutions

- Intellicont by Fieldata
- etc.

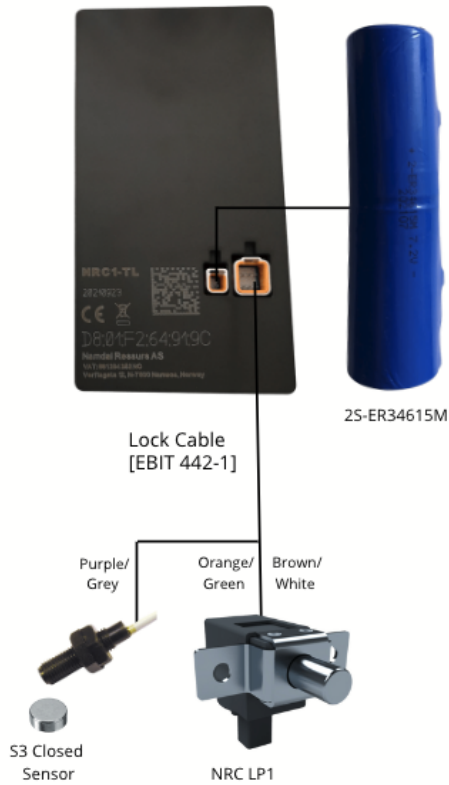
Namdal Ressurs AS

Tel.: +47 742 81 765

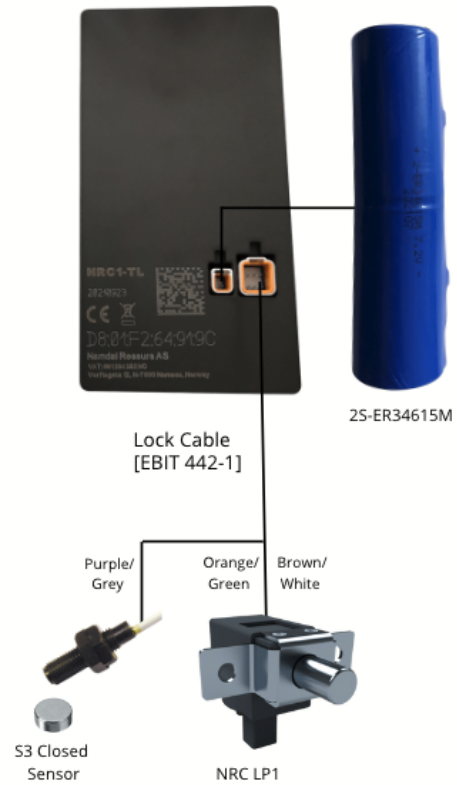
Mail: firmapost@namdalressurs.no

Supported installations:

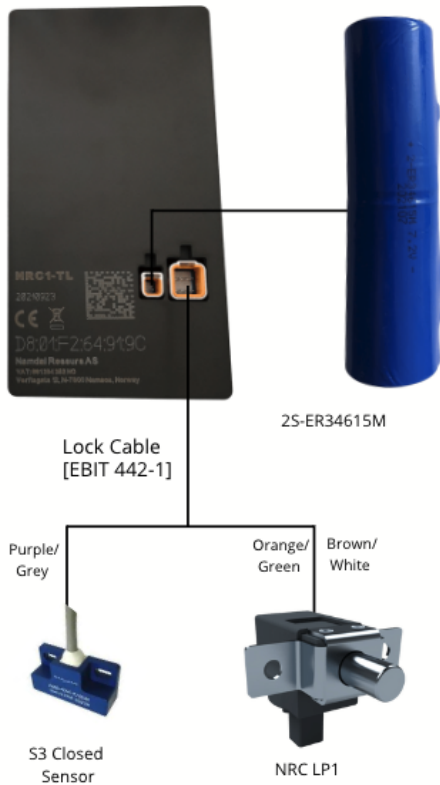
NRC1 NRC-LP1



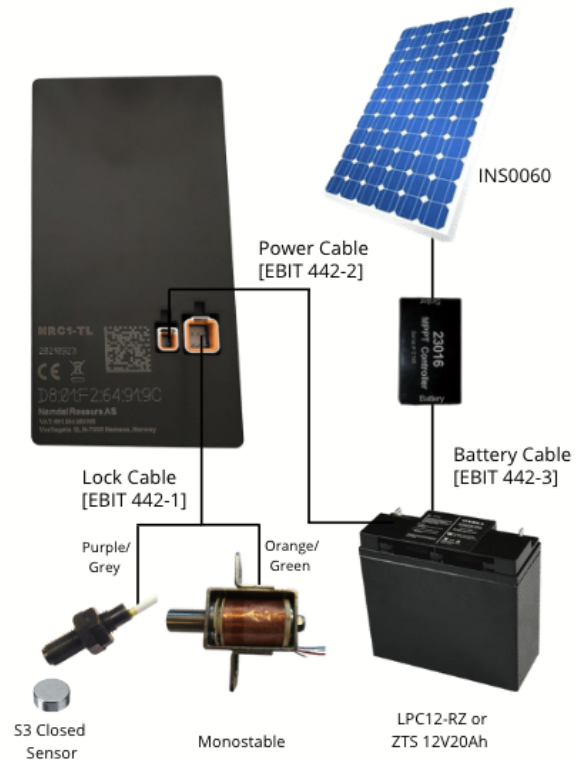
NRC1 NRC-LP1



NRC1 NRC-LP1 DUTCH DRUM



NRC1 MONOSTABLE SOLAR



Namdal Ressurs AS

Tel.: +47 742 81 765

Mail: firmapost@namdalressurs.no

NRC1 MONOSTABLE



NRC1 MONOSTABLE RETURNLOCK SOLAR



NRC1 MONOSTABLE RETURNLOCK



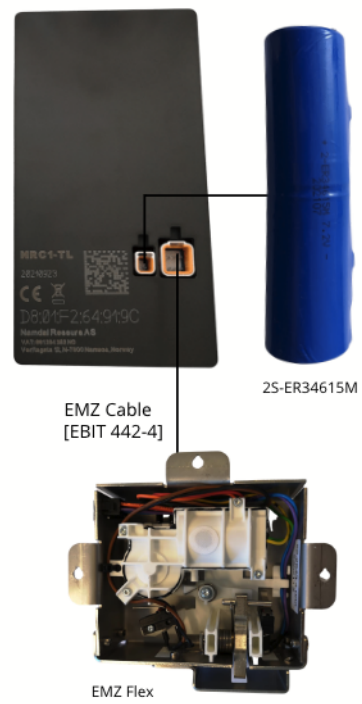
NRC1 PAYT



NRC1 KRS79



NRC1 FLEX



Device API Features (Rest for Configuration and MQTT for events)

Access Configuration

- Restrict all access, with display text “ Closed, please try another container” (Enable/Disable)
- Allow any or only approved NFC uids (Enable/Disable)
- Get notified when a non approved NFC uid is used (Enable/Disable)
- Set custom display logo (On demand)
- Set a custom caption text (15 Characters)
- Set display language (English, Norwegian, Dutch, German, Italian, French, Croatian, (On Demand))

Access Events

- Unlocked
- Opened
- Opened Timeout
- Close Timeout
- Key Origin BLE or NFC
- Key ID
- Unauthorised access
- Invalid key
- Lock not configured

Display Configuration

- Intensity (0-100%)
- Rotation (0,90,180, 270 deg)

Lock Configuration

- Lock Type (Monostable, Bistable, Flex, Payt)
- Hold open after unlock time (default 5s)
- Notify if (hatch/door/drum/drawer not closed after unlocked (default 10s)
- Lock on S2 (enable/Disable)
- Lock on S3 (enable/Disable)

Modem Configuration

- Maximum Latency Interval (default 64800s)

Modem Events

- Modem metadata (Signal Strength, attach time, cell ID etc)

NFC Configuration

- NFC UID Datasync (Whitelist Access NFC uids)

Battery Events

- Voltage