

NCI Spinner Speed Monitor NC-015103C

The NC-015103C has 3 versions. The following information will help you determine what model you use.

Version 1

The front cover plate has the words PAR and SEL. It has preset settings from the factory. It can be calibrated only.



Version 2

The front cover plate has no words. It is blank. The switch settings are 1,3,6 ON and all other switches are OFF see drawing 1 page 2

Version 3

The front cover plate has no words. It is blank. Identical to version 2. The switch settings are 1,3 ON; all other switches are OFF. See drawing 2 page 3

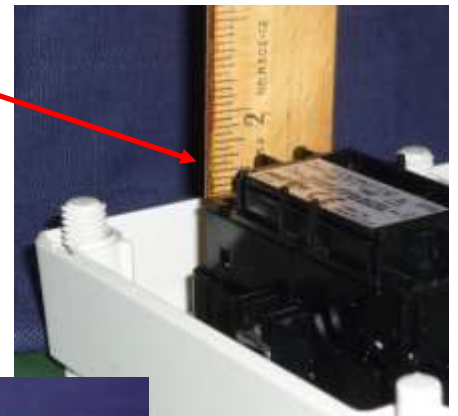
You cannot tell Ver 2 and Ver 3 apart from the outside. Only removing the front cover plate and examining the relay inside will tell you which version you have. Ver 2 relay is thicker than Ver 3.



Version 3

Version 2 is approximately 1 5/8" thick

Version 3 is approximately 1" thick



Version 2



NC Spinner Speed Monitor NC-015103C Ver 2

Description

The Rev-counter is powered by an internal 3.0 V lithium battery
The sealed front panel meets NEMA 4X/IP65 specifications for wash-down and/or dusty environments when properly installed.

Specifications

DISPLAY: 5-digit LCD, 0.6" (15.2mm) high digits

POWER SOURCE: Internal 3.0 V lithium battery to provide up to 7 years of continuous service (battery life is dependent upon usage.)

OPERATING TEMPERATURE RANGE: 0° C to 75° C or 32° F to 167° F

STORAGE TEMPERATURE RANGE: -30° C to 80° C or 22° F to 176° F

Electrical Connections

Since the Rev-counter is self powered, only 2 electrical connections are required. These connections are made utilizing 2 of the 3 terminal blocks, located at the rear of the unit. Refer to the procedures below when connecting the Rev-counter to the Pickup.

Connect the BARE and the WHITE wire to the #1 GND terminal.

Connect the BLACK wire to the #3 INP terminal.

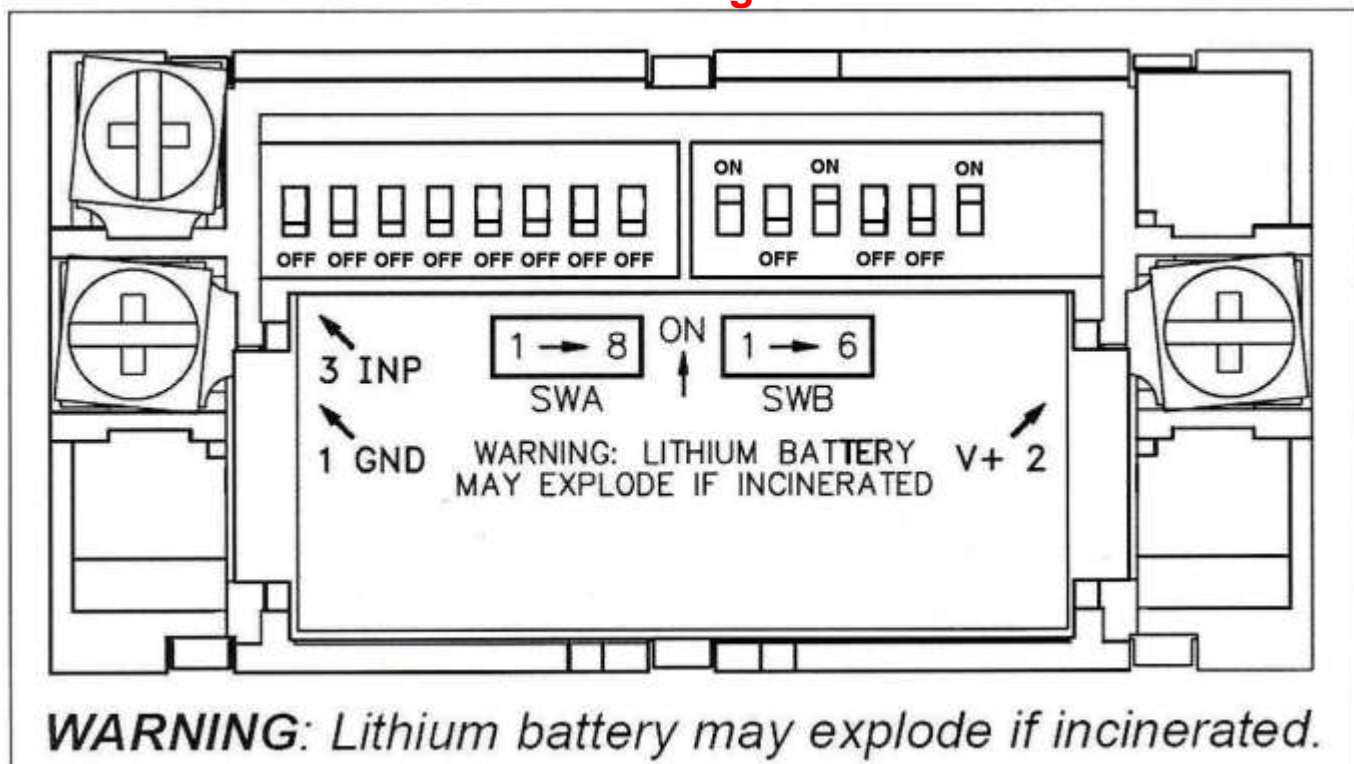
Installation

The Rev-counter should be mounted so that it can be seen by the operator of the spreader while spreading is taking place.

The sensor should be as close to the timing disc as possible without rubbing— up to ¼" away. If sensor is too close, it will read all the time.

Switches are set correctly by Newton Crouch Inc. The correct positions are indicated by the diagram below.

Drawing 1



WARNING: Lithium battery may explode if incinerated.

NC Spinner Speed Monitor NC-015103C Ver 3

Description

The Rev-counter is powered by an internal 3.0 V lithium battery
The sealed front panel meets NEMA 4X/IP65 specifications for wash-down and/or dusty environments when properly installed.

Specifications

DISPLAY: 5-digit LCD, 0.6" (15.2mm) high digits
POWER SOURCE: Internal 3.0 V lithium battery to provide up to 7 years of continuous service (battery life is dependent upon usage.)
OPERATING TEMPERATURE RANGE: 0° C to 75° C or 32° F to 167° F
STORAGE TEMPERATURE RANGE: -30° C to 80° C or 22° F to 176° F

Electrical Connections

Since the Rev-counter is self powered, only 2 electrical connections are required. These connections are made utilizing 2 of the 3 terminal blocks, located at the rear of the unit. Refer to the procedures below when connecting the Rev-counter to the Pickup.

Connect the BARE and the WHITE wire to the #1 GND terminal.

Connect the BLACK wire to the #3 INP terminal.

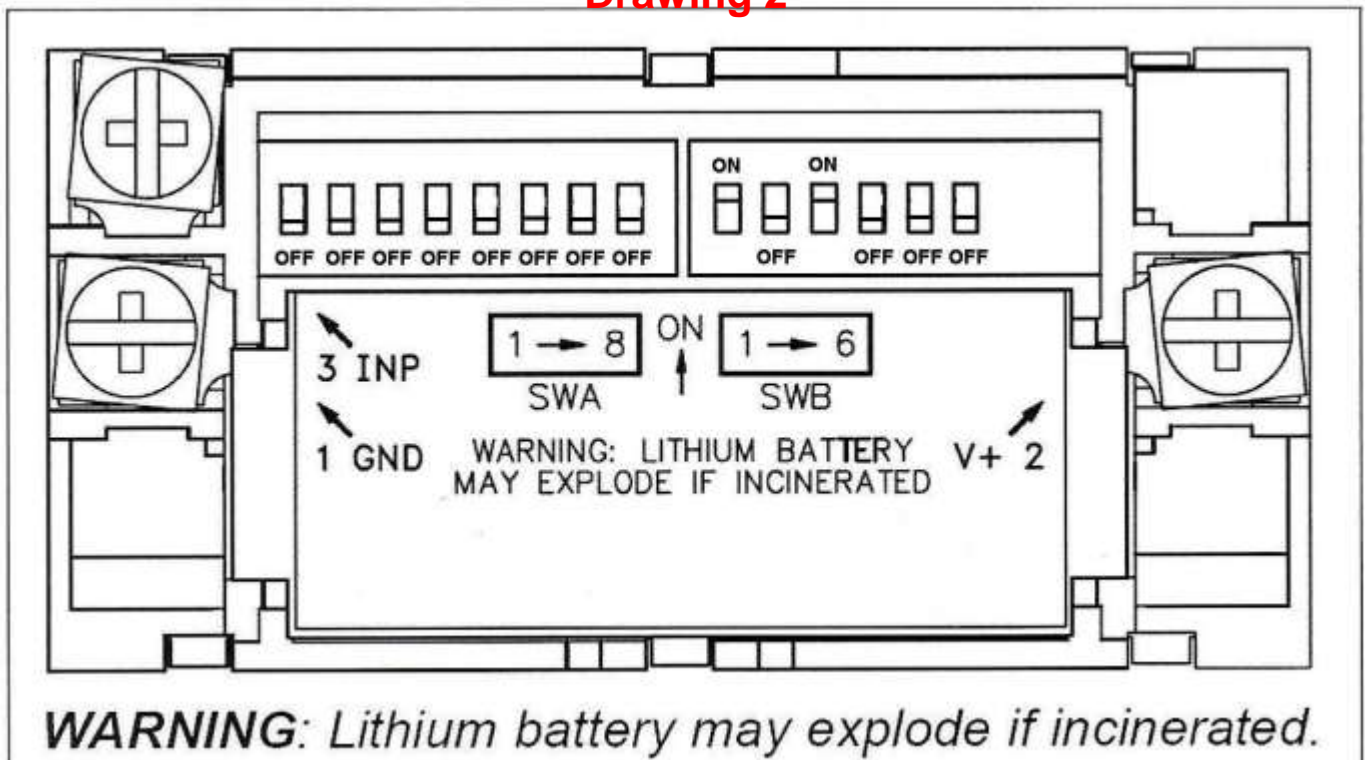
Installation

The Rev-counter should be mounted so that it can be seen by the operator of the spreader while spreading is taking place.

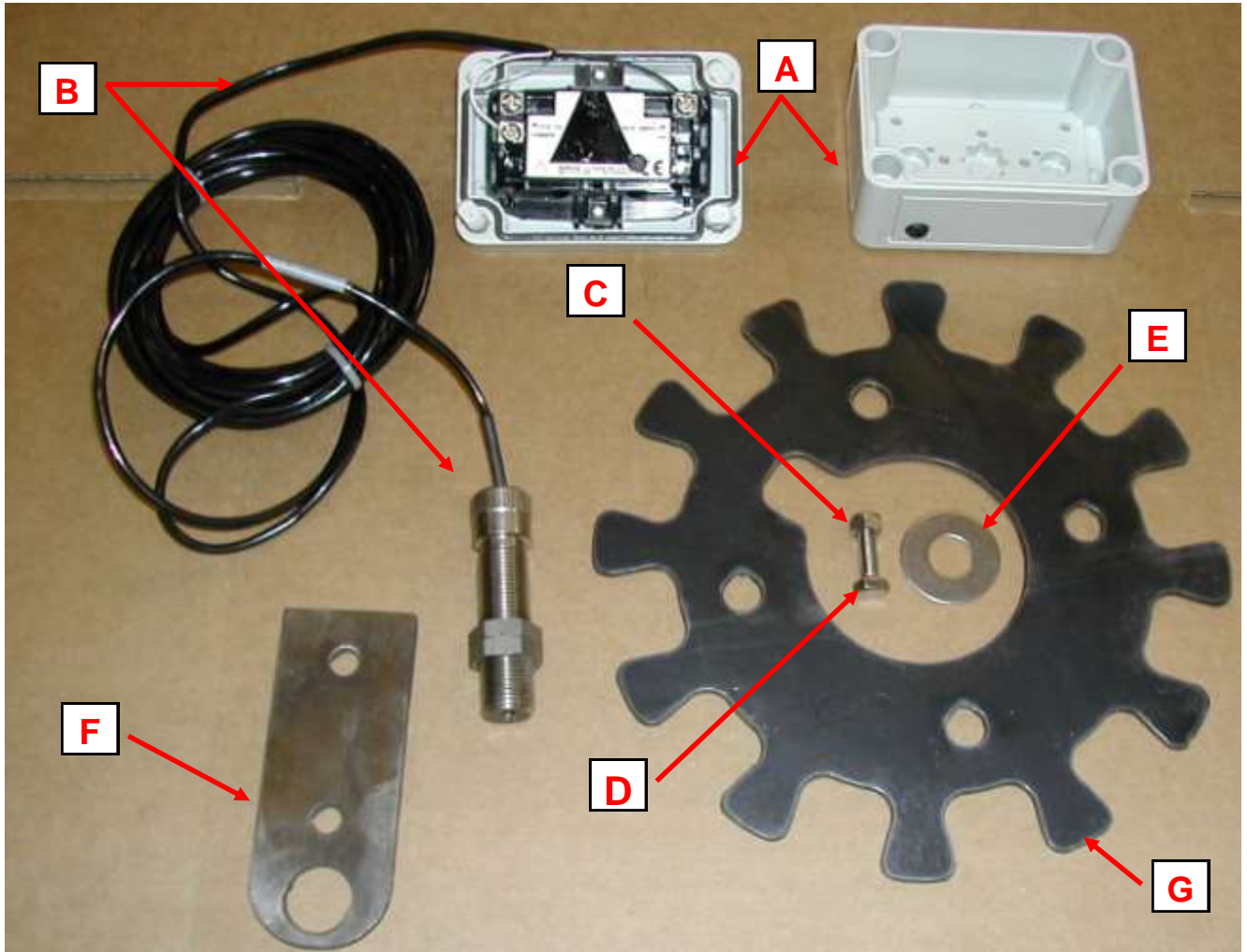
The sensor should be as close to the timing disc as possible without rubbing— up to ¼" away. If sensor is too close, it will read all the time.

Switches are set correctly by Newton Crouch Inc. The correct positions are indicated by the diagram below.

Drawing 2



Newton Crouch Inc. Single Spinner Speed Monitor NC-015103C Ver 3



Item	Qty	Part#	Description
A	1	MS-SSMONITORV1	NCI spinner speed monitor, Ver 1, 2B
A	1	MS-SSMONITORV2	NCI spinner speed monitor, Ver 2, w/1-3-6 ON
A	1	MS-SSMONITORV3	NCI spinner speed monitor, Ver 3, w/1-3 ON (casing incl)
B	1	MS-SSMSENSOR	NCI spinner speed sensor only
C	1	BN-SSH516	Nut, 5/16"
D	1	BN-SSH5161	Bolt, 5/16" X 1"
E	1	BN-SSF12	Flat washer, 1/2"
F	1	NC-025103B	NCI tach bracket
G	1	PM-015103A	NCI tach star counter