



Connected-Tech Training

Marathon Nextelligence Training Newsletter



Issue #2

October, 2025



Environmental
Solutions



Welcome to the Marathon Equipment Nextelligence Training Newsletter

Welcome to the October 2025 edition of the Marathon Nextelligence Training Newsletter. We look forward to continuing to provide the latest helpful news and tips to maximize your knowledge of Marathon compactors and balers.

Mini-M.A.C.® (1835 3A/5A) Operations



CYCON Life-Xtender® Cyclic Control System

Principles of Operation

- The CYCON Control System uses special cylinders to move the ram and two timers to control its operation.
- When the hydraulic cylinder is fully extended or retracted, it internally bypasses. This prevents the hydraulic system from reaching relief pressure.

The sequence of operation for this system is as follows:

- Upon startup, the start switch contact closes, energizing an input on the PLC. The PLC program reads the input and energizes the motor output, starting the motor that drives the pump.
- At the same time, a timer (TT1 or TT2, depending on the model) in the PLC program starts timing the ram's extended stroke. The directional control valve remains de-energized, allowing hydraulic fluid to flow to the base end of the cylinders, causing them to extend.
- When the timer that controls the extended stroke of the ram times out, it energizes the directional control valve output and shifts the spool. This directs the flow of hydraulic fluid to the rod end of the cylinders, causing them to retract.
- At the same time, a timer (TT5 or TTD, depending on the model) starts timing the ram's retract stroke. When this timer times out, it

de-energizes the motor outputs and the directional control valve, shutting off the motor and stopping the ram's movement.

- The Emergency Stop button will shut the compactor down when depressed by breaking the control circuit to the PLC.

WARNING: Do not operate the compactor until the operating instructions are thoroughly understood.

Standard Control Panel



OPERATING INSTRUCTIONS MANUAL MODE (Standard and "A" Model)

STEP ONE

Check the work area and make sure all personnel are clear of the compactor.

STEP TWO

Make sure the Emergency Stop button is pulled out.

STEP THREE

Place the material to be discarded into the compactor. NOTICE: If you are loading the compactor through a door or gate, close it before starting the compactor.

STEP FOUR

“A” Models ONLY: Insert the key into the MANUAL - OFF-
AUTOMATIC SWITCH and turn to the “MANUAL” position.

STEP FIVE

Insert the key into the KEYED START SWITCH and turn clockwise to the “START” position. Press and hold the key for 1 to 2 seconds, then release. The compactor will cycle one time (complete extension and retraction of the ram), then stop.

STEP SIX

If necessary, repeat step 4 after the compactor has stopped.

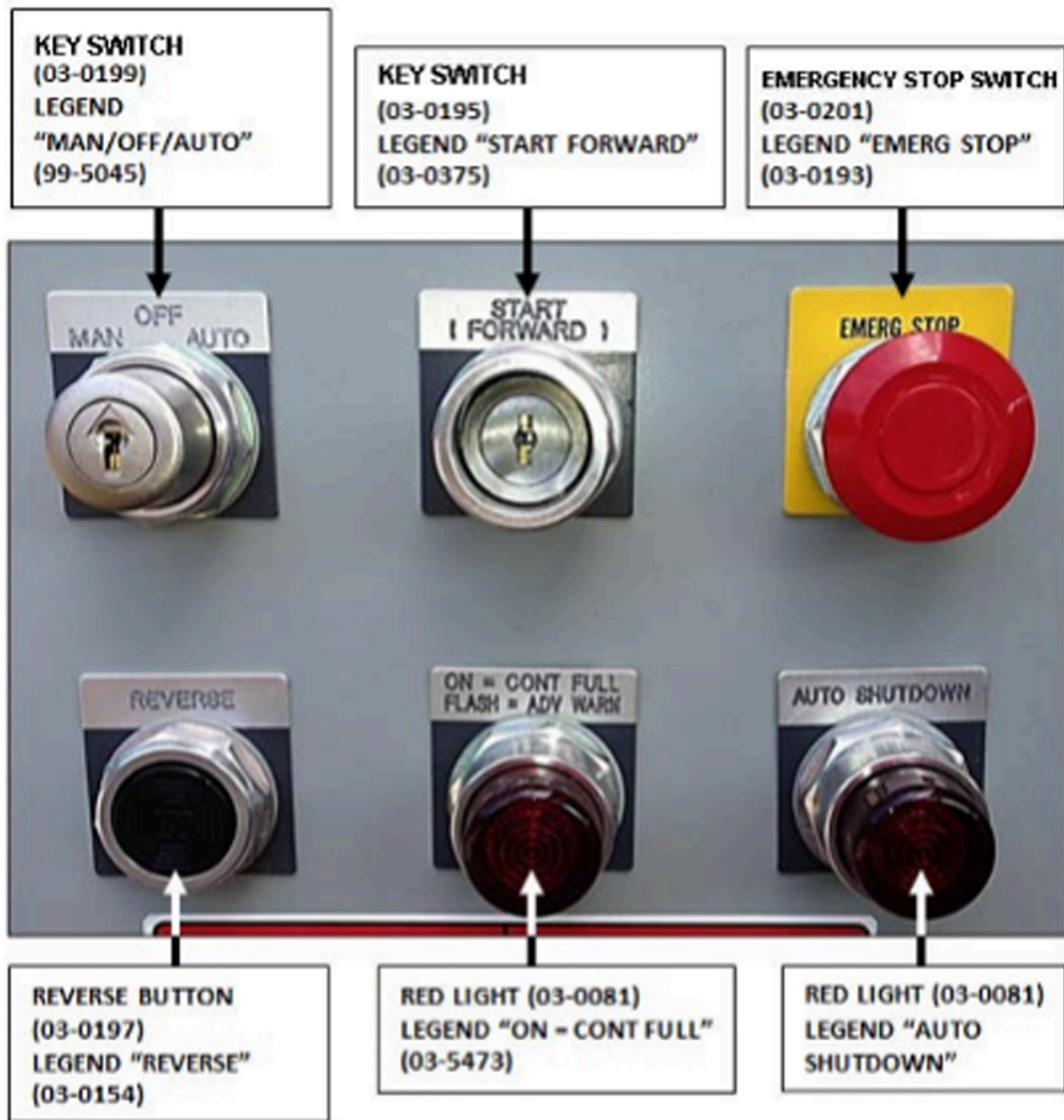
STEP SEVEN

When complete, remove the key from the KEYED START SWITCH.

STEP EIGHT

“A” Models ONLY: Remove key from the MANUAL - OFF- AUTO.

Control Panel - Models With Photoelectric Cycle Control



OPERATING INSTRUCTIONS AUTOMATIC MODE ("A" Model Only)

NOTICE:

This compactor features an ANSI Z245.21(2013) section 5.12.1-compliant start-up alarm that is both audible and visible during activation of the AUTOMATIC mode. Operating Instructions (Automatic Mode).

STEP ONE

Place the material to be discarded into the compactor.

STEP TWO

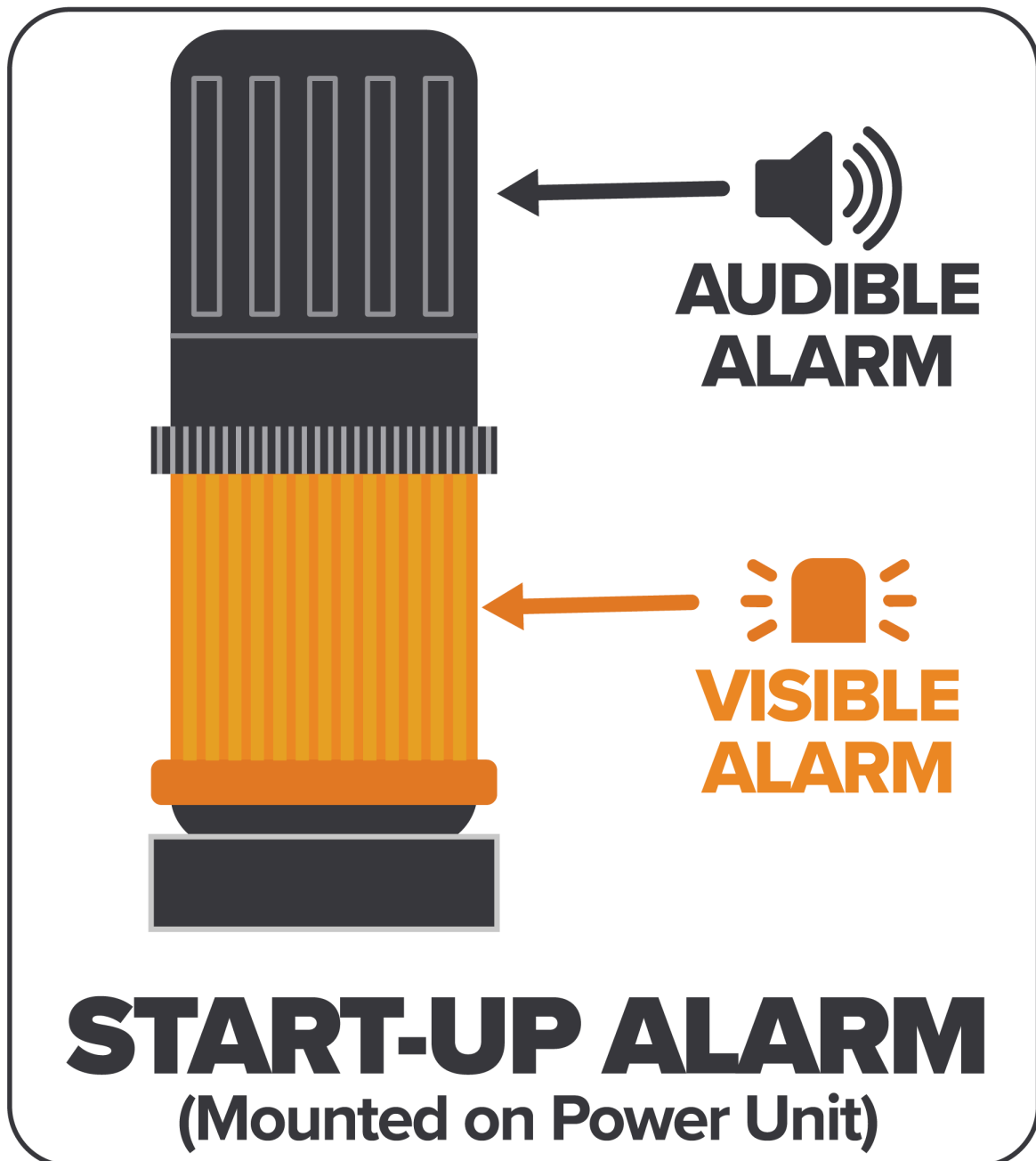
Insert the first key into the "MANUAL - OFF - AUTOMATIC" key switch and turn to the "AUTOMATIC" position.

STEP THREE

Insert the second key into the "START" switch and turn to the right.

STEP FOUR

Depress the key in the "START" switch and hold it continuously for 20 seconds, or until the unit starts.



STEP FIVE

Steps for the Start-Up Alarm.

- Both the audible and visual start-up alarms will energize for 5 seconds.
 - After 5 seconds, the audible alarm will stop, but the visual alarm will continue for an additional 15 seconds (for a total of 20 seconds).
 - After 20 seconds, the motor will start, and the ram will extend and then retract (one complete cycle), or until the charge chamber is cleared.
 - The light will continue to flash until the unit is manually turned off, automatically shuts down, or is switched to manual mode.
NOTICE: If you are loading the compactor through a door or gate, close it before starting the compactor.
 - **WARNING:**
In AUTOMATIC mode, the power unit will run whenever the photocells detect ANY OBJECT in the charge box.
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2025 Nextelience Training Schedule

Would you like to know more about maintenance, diagnostics, and repair of Marathon compactors and balers? Good news! Our Marathon Service School provides in-depth training that you can explore by clicking [Learn More](#) below.

Feel free to contact us anytime if you have any training questions or to register for one of our training classes.

[LEARN MORE](#)

Miss a Newsletter?

No problem - you can now view all past Nextelience newsletters by visiting our [Archives](#) page.

2025 Marathon Service School Training Schedule

Factory Training Dates*	Product	Time
Nov. 11th, 12th and 13th	RamJet Service School	8am – 4:30pm CST

* Subject to change

[VIEW FULL SCHEDULE](#)

Nextelligence Class Registration

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