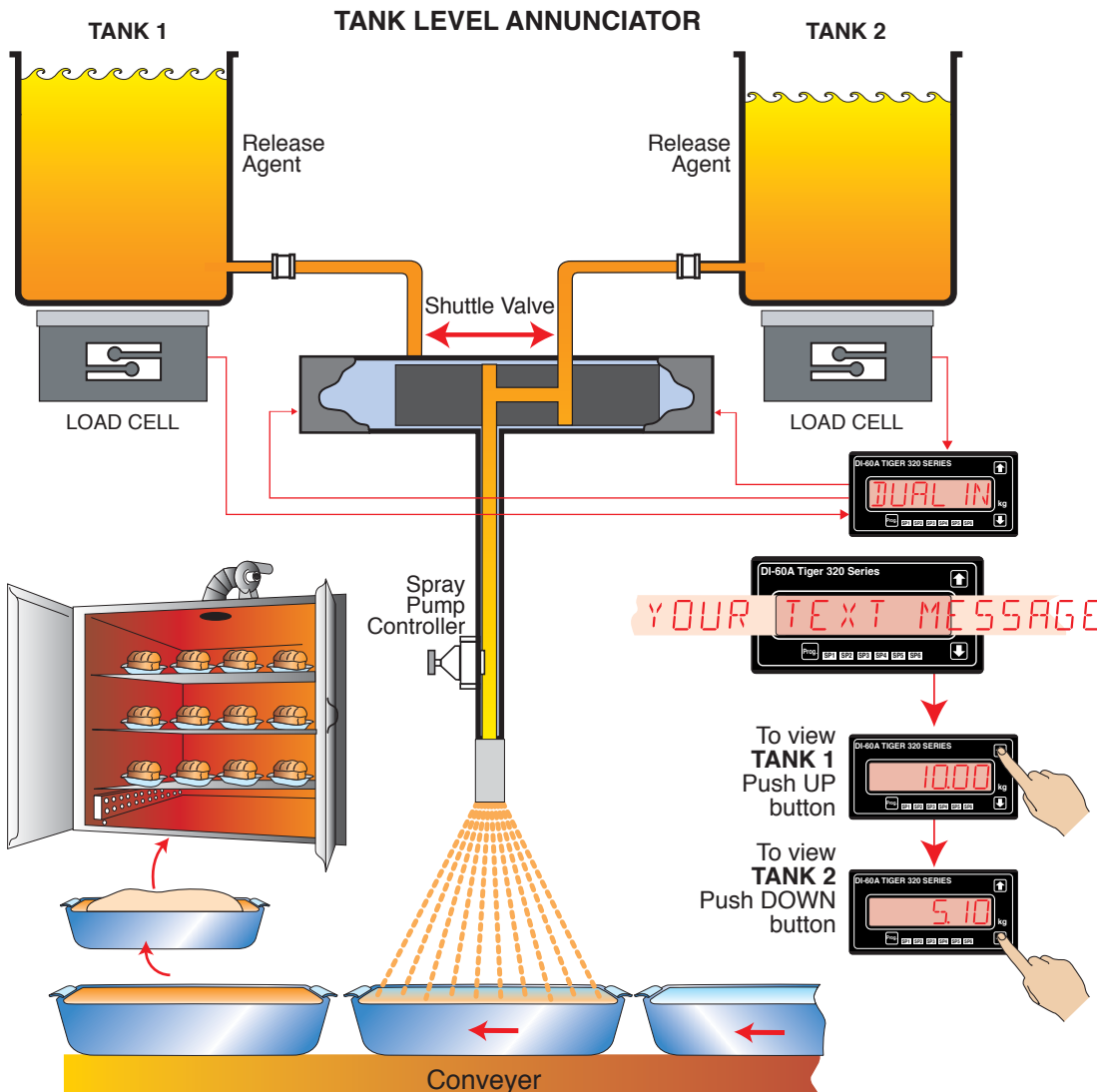A bakery customer has two tanks containing a release agent that is sprayed into the baking trays. If the release agent runs out, the bread sticks to the trays. Two release agent drums, TANK 1 and TANK 2 are placed onto two independent load-cell platforms and both load cell outputs are connected to a dual load-cell input module installed in a DI-60AT controller.

1. On start up, TANK 1 valve is open.
2. When TANK 1 low level (set-point 1) operates, TANK 1 valve closes and TANK 2 valve opens.
3. The system is now operating from TANK 2.
4. TANK 1 is replaced, TANK 1 low level alarm is now OFF.
5. When TANK 2 low level alarm operates, TANK 2 valve is closed and TANK 1 valve is opened.
6. The sequence is repeated.

The controller is programmed to scroll a text message across the display to indicate the tank in use, and when the tank low alarms are energized. For example:

1. If both tanks above their low setpoint then display = ["tANk 1"]
2. If TANK 1 is below low setpoint controller will automatically open TANK 2 valve and close TANK 1 valve, the scrolling display then = ["tANk 2 in use tANK 1 low"]
3. If TANK 1 is replaced therefore no low alarms display then = ["tANk2"]
4. If TANK 2 is low, the controller will automatically open TANK 1 valve and close TANK 2 valve the display will then scroll ["tANK 1 in use tANK 2 low"]
5. If TANK 2 is replaced therefore no alarms display = ["tANk1"]
6. If both tanks are low the display will scroll ["tANk1 Lo tANk2 Lo"]

APPLICATION FUNCTIONS

SCROLLING TEXT MESSAGING

RELAY OUTPUTS

REGISTER RESETS

TOTALIZERS

CALCULATIONS

SEQUENCE CONTROLS

TEXT MESSAGING

INPUTS

STATUS INPUTS

LOAD-CELL PRESSURE

TANK LEVEL ANNUNCIATOR

TANK 1   TANK 2

Release Agent   Release Agent

Shuttle Valve

LOAD CELL   LOAD CELL

DI-60A TIGER 320 SERIES — DUAL IN kg

Spray Pump Controller

DI-60A Tiger 320 Series — YOUR TEXT MESSAGE

To view **TANK 1** Push UP button — 10.00 kg

To view **TANK 2** Push DOWN button — 5.10 kg

Conveyer

TANK LEVEL MACRO

The example macro has been written to
1. Automate the valve position and therefore the tank in use.
2. Scroll across the display appropriate text message indicating the condition of the tanks and valves.

Suggested Ordering Code Options for This Application

Basic Order Codes	Comments
DI-60AT-DR-PS1-ISS5-OR12	Alphanumiric scrolling message. Up to see Tank1, Down to see Tank2

Note: Custom Smart App required. Charges vary depending on application. Contact Texmate.