

## APPLICATION NOTE

### CONFIGURING A TONICK CONTROLLER WITH CIC 1+ DECODERS

There were three models in the CIC irrigation controller range. All are now out of production.

CIC 1	99 stations on one 3-wire cable
CIC 4	396 stations on four 3-wire cables; 99 stations per cable
CIC 1+	198 stations on one 3-wire cable; 99 stations in each of two zones.

The CIC 1 and CIC 4 only allow one station to be active at a time on the same cable. Obviously, the CIC 4 can have 4 X 1 stations active, one on each of the four cables.

The CIC 1+ can have two stations active on the same cable. This is done by addressing each decoder into zone 1 or zone 2. The controller will then activate one on zone 1 and another on zone 2. The original Photron decoders had an eighth switch to allocate the decoder number (address) either to zone 1 or 2.

Tonick CIC decoders have their addresses set by the Tonick CIC programmer. Two versions are available, one for CIC 1 or 4, the other for CIC 1+. On the latter, a station number is assigned to zone 1 by programming addresses 101 – 199 and to zone 2 using 201 – 299. The actual decoder address is the bottom 2 digits. E.g., 267 on the programmer will set the decoder to respond to address 67 on zone 2.

Having programmed all the CIC 1+ decoders into the correct zones, the Tonick RM-1 and Translator must be set up as follows.

#### **TRANSLATOR:**

Decoder Type:	CIC1+
Respond to Cables:	Cb0 Cb1 N/U N/U (Tonick Translator)
	0 1 32 32 ( Logic Translator)

#### **RAINMAKER RM-1:**

In the station configuration ('Config' from the Main Menu)

Assign all zone 1 decoders to cable 0 and zone 2 to cable 1.

In the previous example, the decoder programmed to 267 would be entered in the 'Config' as Cable 1 Addr 67

Set Solenoids to 4 for every station.

Providing there is sufficient hydraulic capacity, the RM-1 will turn on one station in zone 1 concurrently with one station in zone 2, when running a watering program.

For further help, ring Tonick Watering on 01269 832325