

# SmartCrind TCPIP DIM (TDIM)

The SmartCrind DIM provides an interface from the TLS to the Smart Crind dispensers over an Ethernet connection. Typically, all the dispensers and TLS are connected to the same hub. The dispensers send start and stop events directly to the TLS using a GVR proprietary protocol.

This document summarizes material in the installation manual and adds instructions for installing the equipment at Wal-Mart / SAMS sites.

## 1. DIM Installation.

The TDIM installs on the com side of the TLS just like other EDIMs and CDIMs. It has all the same diagnostics as other DIMs . Version number and date are all the same. This DIM will not produce a COMMUNICATION ALARM.

Dispenser will identify the DIM on the network and establish a connection to the node. Following a connection, the dispenser will send event data as they occur.

## 2. Wal-Mart / SAMS Instructions

On each card there is a MAC address. This address is printed on the XPORT device below the bar code. (See figure1 of the TCP/IP DIM Installation Guide, Ethernet MAC address).

Call Greg Spiers at Wal-Mart, (479) 277-4483, and tell him the site location and MAC address. Tell him that the MAC address is for gastm2 (BIR TCP/IP interface card). (Standard TCP/IP card MAC address is assigned to gastm1.)

Once he enters that number, connect the TDIM to the hub and the dispenser connections will begin automatically. You can diagnose BIR and DIM operation as you would for any other DIM installation. From the BIR diagnostic menu you can print the last 4 meter events received and compare them with the activity at the site.

- There is no DIM string required.
- Do not put the TDIM card into a slot previously used by another card type without cold booting the TLS. You can replace CDIMs and EDIMs with a TDIM without cold booting.
- You can access an engineering diagnostic port by connecting a lap-top to the TDIM using a cross-over Ethernet cable (described in the installation manual). Telnet to port 55.146.108.96 **3002**. (55.146.108.96 is the address for all SAMS gastm2 devices, a different address may be used by other customers.) The response from a properly operating TDIM will include:

<p><b>Serial communications OK</b> <b>Sending heartbeats</b></p>
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