

Pipe Lines

A SCADA-focused Newsletter from Data Flow Systems
Issue 11, 2020



| LED | Reference Symbol | Function |
|---------|------------------|---------------------|
| LED 1 | Alarm 1 Active | Battery voltage low |
| LED 2 | Alarm 2 Active | |
| LED 3 | Alarm 3 Active | |
| LED 4 | Alarm 4 Active | |
| LED 5 | Alarm 5 Active | |
| LED 6 | Alarm 6 Active | |
| LED 7 | Alarm 7 Active | |
| LED 8 | Alarm 8 Active | |
| LED 9 | Alarm 9 Active | |
| LED 10 | Alarm 10 Active | |
| LED 11 | Alarm 11 Active | |
| LED 12 | Alarm 12 Active | |
| LED 13 | Alarm 13 Active | |
| LED 14 | Alarm 14 Active | |
| LED 15 | Alarm 15 Active | |
| LED 16 | Alarm 16 Active | |
| LED 17 | Alarm 17 Active | |
| LED 18 | Alarm 18 Active | |
| LED 19 | Alarm 19 Active | |
| LED 20 | Alarm 20 Active | |
| LED 21 | Alarm 21 Active | |
| LED 22 | Alarm 22 Active | |
| LED 23 | Alarm 23 Active | |
| LED 24 | Alarm 24 Active | |
| LED 25 | Alarm 25 Active | |
| LED 26 | Alarm 26 Active | |
| LED 27 | Alarm 27 Active | |
| LED 28 | Alarm 28 Active | |
| LED 29 | Alarm 29 Active | |
| LED 30 | Alarm 30 Active | |
| LED 31 | Alarm 31 Active | |
| LED 32 | Alarm 32 Active | |
| LED 33 | Alarm 33 Active | |
| LED 34 | Alarm 34 Active | |
| LED 35 | Alarm 35 Active | |
| LED 36 | Alarm 36 Active | |
| LED 37 | Alarm 37 Active | |
| LED 38 | Alarm 38 Active | |
| LED 39 | Alarm 39 Active | |
| LED 40 | Alarm 40 Active | |
| LED 41 | Alarm 41 Active | |
| LED 42 | Alarm 42 Active | |
| LED 43 | Alarm 43 Active | |
| LED 44 | Alarm 44 Active | |
| LED 45 | Alarm 45 Active | |
| LED 46 | Alarm 46 Active | |
| LED 47 | Alarm 47 Active | |
| LED 48 | Alarm 48 Active | |
| LED 49 | Alarm 49 Active | |
| LED 50 | Alarm 50 Active | |
| LED 51 | Alarm 51 Active | |
| LED 52 | Alarm 52 Active | |
| LED 53 | Alarm 53 Active | |
| LED 54 | Alarm 54 Active | |
| LED 55 | Alarm 55 Active | |
| LED 56 | Alarm 56 Active | |
| LED 57 | Alarm 57 Active | |
| LED 58 | Alarm 58 Active | |
| LED 59 | Alarm 59 Active | |
| LED 60 | Alarm 60 Active | |
| LED 61 | Alarm 61 Active | |
| LED 62 | Alarm 62 Active | |
| LED 63 | Alarm 63 Active | |
| LED 64 | Alarm 64 Active | |
| LED 65 | Alarm 65 Active | |
| LED 66 | Alarm 66 Active | |
| LED 67 | Alarm 67 Active | |
| LED 68 | Alarm 68 Active | |
| LED 69 | Alarm 69 Active | |
| LED 70 | Alarm 70 Active | |
| LED 71 | Alarm 71 Active | |
| LED 72 | Alarm 72 Active | |
| LED 73 | Alarm 73 Active | |
| LED 74 | Alarm 74 Active | |
| LED 75 | Alarm 75 Active | |
| LED 76 | Alarm 76 Active | |
| LED 77 | Alarm 77 Active | |
| LED 78 | Alarm 78 Active | |
| LED 79 | Alarm 79 Active | |
| LED 80 | Alarm 80 Active | |
| LED 81 | Alarm 81 Active | |
| LED 82 | Alarm 82 Active | |
| LED 83 | Alarm 83 Active | |
| LED 84 | Alarm 84 Active | |
| LED 85 | Alarm 85 Active | |
| LED 86 | Alarm 86 Active | |
| LED 87 | Alarm 87 Active | |
| LED 88 | Alarm 88 Active | |
| LED 89 | Alarm 89 Active | |
| LED 90 | Alarm 90 Active | |
| LED 91 | Alarm 91 Active | |
| LED 92 | Alarm 92 Active | |
| LED 93 | Alarm 93 Active | |
| LED 94 | Alarm 94 Active | |
| LED 95 | Alarm 95 Active | |
| LED 96 | Alarm 96 Active | |
| LED 97 | Alarm 97 Active | |
| LED 98 | Alarm 98 Active | |
| LED 99 | Alarm 99 Active | |
| LED 100 | Alarm 100 Active | |

Tech Tip

What are Your TCU001 LEDs Telling You?

There are thousands of TCU001s—the precursor to our new TCU800—in our customers' systems throughout the USA. Each TCU offers an abundance of information for the user, just by observing the LEDs featured on the front of the unit.

For instance, a continuously lit LED in one position may indicate a normal operating condition or it may show that an alarm was acknowledged. A flashing LED might indicate low battery voltage, a power problem or an alarm condition that still exists.

Click on this link to see an enlargement of the [handy reference table](#) of TCU001 LED indicators that is shown above.

Indian River County Updates 30-Year-Old RTUs



Data Flow Systems' customers have been upgrading to our newer, innovative products for years. We've always offered an easy path for customers who need to update existing systems by ensuring that our new, more powerful products were downward-compatible with our older systems. We call it, "obsolescence-proof." Our users can take advantage of our latest modernizations without having to acquire a new system.

So there was nothing out-of-the-ordinary when we received an order to replace 40 lift station RTUs from long-time customer, Indian River County, Florida.

Except for one thing: Although the average lifespan of most SCADA systems in Florida is about seven to ten years, the RTUs we are replacing were part of IRC's first DFS installation in 1991—nearly 30 years ago.

Indian River County was in the vanguard of utilities that recognized the practical value of having a pump controller integrated into their SCADA system. Their RTUs were outfitted with our first controller, the plug-in Pump Control Module, PCM001. The RTUs scheduled for upgrade still employ those three-decade old PCMs and now they'll take advantage of our TCU's powerful technology and flexibility.

We extend a warm "Thank you" to Indian River County for their loyalty and friendship and look forward to extending our relationship for many years to come.

Happy Thanksgiving From Everyone at Data Flow Systems



Forget the big, up-front capital expenditure. Ask us about SASS - SCADA as a Service.