

# CT-2/CT-3

## Head-End Channel Tagger

- The Solution to “False Alarms”
- Warbling Identifier Tone
- Discriminating Receiver
- Extended Sensitivity
- Non-Interfering



When several cable systems operate in the same area, it is often difficult to determine which system is the source of a leak. The CT-2™ and CT-3™ solve this problem by tagging the system video carrier (or the carrier provided by the CT-3) with low-frequency modulation. Used as a system with Trilithic's leakage receivers, the CT-2 and CT-3 eliminate all “false alarm” triggers and increase leak detection sensitivity by four times over previous models.

### Warbling Identifier Tone

All hand-held Trilithic leakage receivers generate an audible tone that varies in pitch with leak strength. A leak that has been tagged by the CT-2 or CT-3 causes the audible tone to “warble,” rising and falling in pitch at the rate of three oscillations per second. If the distinctive warbling sound is not detected, the operator can be sure that the leak did not originate in his system.

### Discriminating Receiver

Trilithic's family of leakage detectors – the Super Plus™, Seeker™, Seeker Lite™, and Seeker BB-2™ – all contain special circuitry that is sensitive only to the tagged signal from the CT-2 or CT-3 and rejects any signals that do not contain it. With the tag function

switched on, Trilithic's leakage detectors are immune to false alarming. Trilithic's channel tag-compatible leakage detectors include unique circuitry which prevents the detector from alarming unless a tagged signal is present.

### Easy-to-Install

The CT-2 is very simple to install and can be used with any modulator or signal processor model. Simply insert the CT in the line between the processor and the head-end combiner.

# CT-2/CT-3

## Head-End Channel Tagger

### SPECIFICATIONS

#### CT-2

<b>Compatibility</b>	Compatible with Trilithic's Super Plus, Seeker, Seeker Lite leakage receivers
<b>Modulation</b>	Sine wave
<b>Modulation Rate</b>	Selectable 3 Hz or 20 Hz (other frequencies available as an option)
<b>Depth of Modulation</b>	3 Hz: settable, 0.5 to 5 dB 10 to 20 Hz: fixed at 3 dB
<b>Input/Output Impedance</b>	75 $\Omega$ (nominal)
<b>Power</b>	115 VAC, 230 VAC or DC with 100 to 240 VAC charger (set up at the factory)
<b>Mechanical</b>	1U (1.75") rack enclosure

#### CT-3

<b>Compatibility</b>	Compatible with Trilithic's Super Plus, Seeker, Seeker Lite leakage receivers
<b>Modulation</b>	Sine wave
<b>Modulation Rate</b>	Selectable 3 Hz or 20 Hz (other frequencies available as an option)
<b>Depth of Modulation</b>	3 Hz: settable, 0.5 to 5 dB 10 to 20 Hz: fixed at 3 dB
<b>Input/Output Impedance</b>	75 $\Omega$ (nominal)
<b>Carrier Frequency</b>	Specify single frequency between 107 and 157.25 MHz, crystal-controlled
<b>Carrier Output</b>	47 to 60 dBmV
<b>Spurious</b>	-60 dBc
<b>Power</b>	115 VAC, 230 VAC or DC with 100 to 240 VAC charger (set up at the factory)
<b>Mechanical Packaging</b>	1U (1.75") rack enclosure

### INCLUDES THE FOLLOWING:

CT-2 Channel Tagger  
P/N 2010670001

CT-3 Channel Tagger  
P/N 2010762000