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# *CA-OCM-ARC*

**Isolating Summary Alarm Output**

## **User Manual**

**Document #: 050-015-0038**

**Revision: 01**

**February 2007**

**TASC Systems Inc. • Langley, BC • Canada**

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For additional copies of this publication contact:

TASC Systems Inc.	Tel. (604) 455-2000
9415 – 202 Street	Fax. (604) 888-9712
Langley, BC V1M 4B5	Toll Free: 1-800-663-0070
Canada	Website: <a href="http://www.tascsystems.com">www.tascsystems.com</a>

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## PREFACE

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This document describes the integration of the TASC CA-OCM-ARC.

Hardware and software described in this document are subject to ongoing development and improvement. Consequently there may be minor discrepancies between the information in this document and the performance and design of the hardware and software.



**Periodically throughout this manual, you may find text such as this, which has been shaded and bolded with a pointed finger to catch your attention. These are special notes and tips to assist you.**

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## REVISION HISTORY

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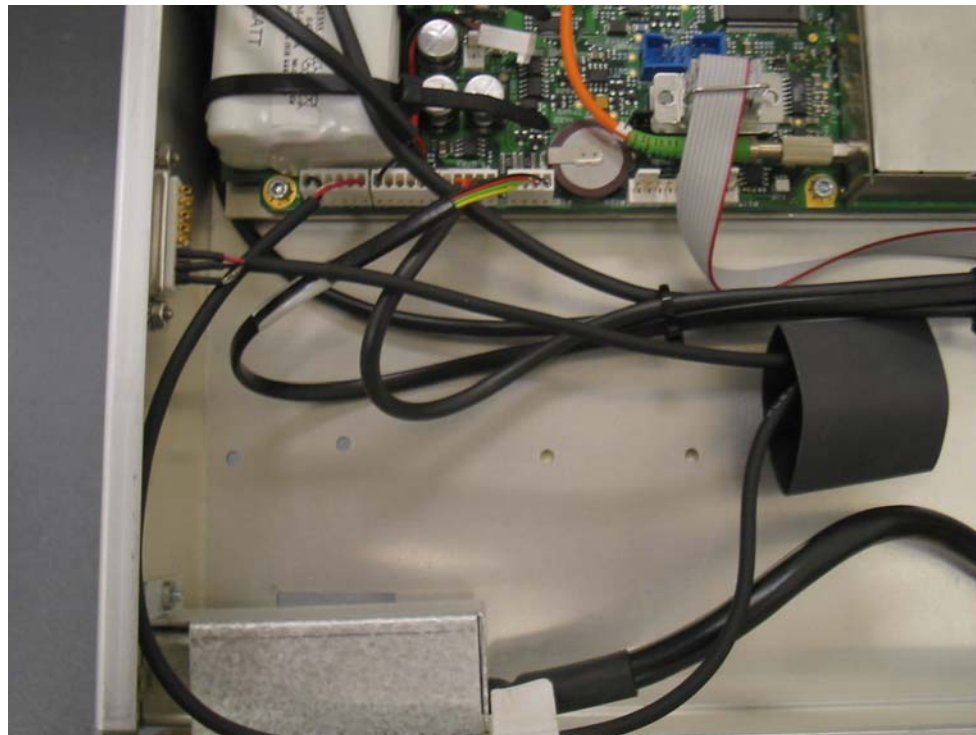
Revision	Date	Changes
R01	February 2007	<ul style="list-style-type: none"><li data-bbox="889 380 1094 407">• First Release</li></ul>

# 1. CT OVERVIEW

PRODU

## 1.1. General Description

The CA-OCM-ARC provides an inverted, isolated summary alarm output for a Powerwave OCM cabinet. Normally Open and/or Normally Closed operation can be monitored from the DSUB 15 pin connector provided for connection to an alarm panel. This connection is electrically isolated from the open drain provided on the Powerwave FON module, which serves as the driver for the summary alarm output. This isolation allows for proper operation where an alarm panel may be positively grounded, as would be the case in a typical negative 48 volt DC Telco application.



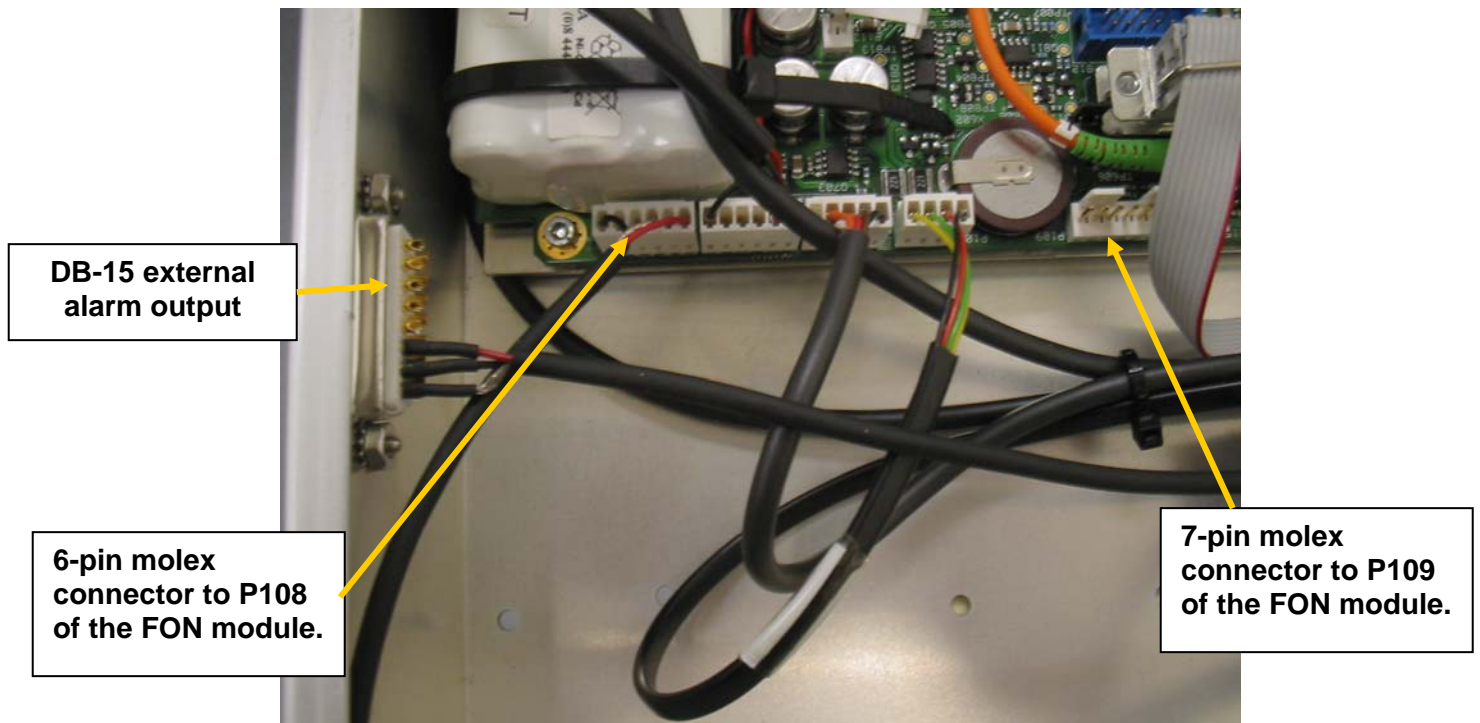
## 2. LATION

## INSTAL

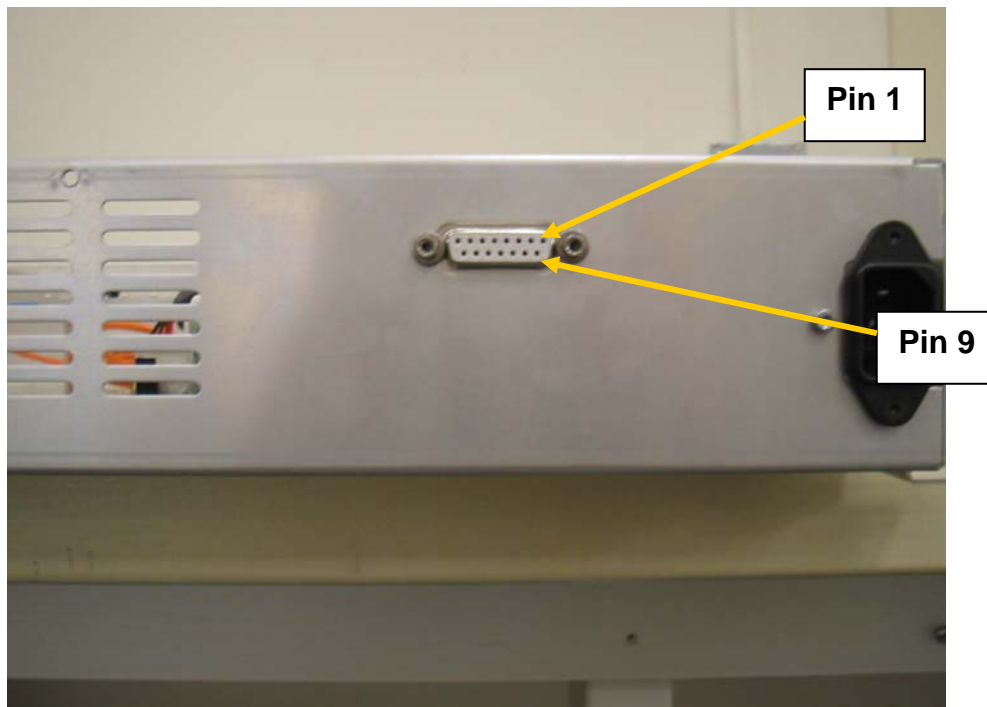
1. Connect the 6-pin molex connector of the CA-OCM-ARC to P108 of the FON board.

Black – GND  
Shield – Alarm Indication  
Red - +6VDC

2. Connect the 7-pin molex connector of the CA-OCM-ARC/I to Pin 109 of the FON board.



- Using the screw kit provided, attach the DB-15 connector to the available alarm port on the back of the FON.



- The pin-out of the DB-15 connector is:

Pin 1 – Common  
Pin 2 – Summary Alarm Output N/O  
Pin 3 – Summary Alarm Output N/C  
Pin 9 – Alarm Input Common  
Pin 10 – Alarm Input Common  
Pin 11 – External Alarm Input 1  
Pin 12 – External Alarm Input 2  
Pin 13 – External Alarm Input 3  
Pin 14 – External Alarm Input 4